

Addendum I

From data-month September 2002 onwards, the printed ISC Bulletins have been generated directly from the ISC Relational Database.

From data-month October 2002, a new location program ISCloc has been used in operations. Also, the IASPEI standard seismic phase list has now been adopted by the ISC, please see the last pages of this Bulletin for details.

From data-month January 2003 onwards, an updated regionalisation scheme has been adopted (Young, J.B., B.W. Presgrave, H. Aichele, D.A. Wiens, E.A. Flinn The Flinn-Engdahl Regionalisation Scheme: the 1995 Revision, Physics of the Earth and Planetary Interiors 96 (1996), 223-297)

These developments have prompted the need to review and revise the format of the Bulletin.

The following example illustrates the changes :-

September 2002

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NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,
mb1 3.7/4,mb1mx3.2/14,Error ellipse: s-maj=83.2km
s-min=20.6km az=159.0
ISC 01 18:45:41.7-1.4,22.1S:02-179.3W:02,h600km,n22,
c155/24,mb4.4/9,1C, South of Fiji Islands
Code Station Name Δ° AZ° Phase ID ISC Time Res
h m s ISC
HBZ Hicks Bay 15.60 187 eP Op 18 48 53.1 -2.1
URZ Urewera 16.41 190 P P 18 49 01.5 -1.1
MRZ Mangatoinoka R 19.02 192 eP P 18 49 26.7 +0.3
DIW D'Urville Isla 19.52 195 eP P 18 49 27.3 -3.6
CAW Cannon Point 19.55 193 eP P 18 49 31.7 +0.5
OTW Orongorongo Tu 19.73 193 eP P 18 49 33.0 +0.2
MCW Moikau 19.82 192 eP P 18 49 35.5 +1.9
THZ Tophouse 20.68 197 eP P 18 49 42.0 +0.5
KHZ Kahutara 21.14 195 P P 18 49 46.2 +0.8
ARMA Armidale 27.28 246 eP P 18 50 42.4 +2.3
4.9nm,0.5s
CTA Charters Tower 32.13 267 P P 18 51 22.3 +0.5
13nm,0.5s
STKA Stephens Creek 36.00 246 eP P 18 51 55.3 +1.5
3.1nm,0.4s
ASAR Alice Springs 42.97 259 P P 18 52 50.1 +0.4
9.8nm,0.5s,baz=92,slow=8.2,SNR=47
ASAR 1.0nm,0.8s,baz=95,slow=15,SNR=5.7
ASPA Alice Springs 42.97 259 eP P 18 52 50.1 +0.4
WRA Warramunga Arr 43.18 264 P P 18 52 51.0 -0.4
1.8nm,0.3s,baz=96,slow=7.8,SNR=93
WRA 0.3nm,0.9s,baz=99,slow=14,SNR=3.0
KAKA Kakadu 46.79 273 eP P 18 53 18.2 -0.7
14nm,0.4s
FITZ Fitzroy Crossi 51.61 264 eP P 18 53 54.3 +0.1
12nm,0.3s
MBWA Marble Bar 56.31 259 eP P 18 54 27.1 -0.1
11nm,0.6s
CMAR Chiang Mai Arr 89.48 290 P P 18 57 38.1 +1.7
1.3nm,0.8s,baz=135,slow=3.1,SNR=8.1
ARCES ARCESS Array B 130.23 349 PKKP PKIKP 19 03 43.7 -1.2
0.7nm,0.6s,baz=282,slow=4.2,SNR=3.5
FINES FINES Array B 136.91 342 PKP PKIKP 19 03 57.3 -1.3
3.7nm,1.1s,baz=158,slow=3.2,SNR=5.4
MLR Muntele Rosu 148.83 325 PKPbc PKIKP 19 04 22.7 -1.0
0.2nm,0.7s,baz=1.2,slow=23,SNR=2.3

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Epical Estimation

Origin times - The superscripts have been removed and a simpler format adopted.

Magnitudes - All magnitudes that were reported to the ISC are now shown. Only two per agency were allowed in the past.

Error Ellipses - The keywords have been shortened.

Observational Data

The station code, station name, epicentral distance and azimuth are all shown in **bold** for Initial phases. For Secondary phases, only the station code (in normal font) is repeated.

Phase ID's - The Operator's identification is shown in normal font. The Operator's residual is no longer printed. When the arrival time of an initial or secondary phase has contributed to the location - the ISC's identification, the arrival time and the ISC's travel-time residual are all shown in **bold**.

Phase Parameters - The following parameters are included on supplementary lines where appropriate :-

Component, amplitude and period (or logA/T) - reported by the Operator.

Station magnitude estimate - computed by the ISC.

Slowness, Back-Azimuth, Signal-to-Noise ratio - measured by the Operator.

Addendum II

From data-month January 2006 the ISC hypocentres are computed using the AK135 earth velocity model (Kennett, B.L.N. Engdahl, E.R. & Buland R., 1995. Constraints on seismic velocities in the Earth from travel times, Geophys J Int, 122, 108-124; B.L.N. Kennett, 2005. Seismological tables: ak135. Research School of Earth Sciences, the Australian National University, Canberra) and then reviewed by the ISC seismologists. The ISC still produces the hypocentre solutions based on Jeffreys-Bullen travel time tables (agency code ISCJB), yet these solutions are no longer reviewed.

The ISC is planning to re-compute the entire ISC dataset using AK135 once new location procedures are designed, tested, discussed and approved by the ISC Governing Council. Until that time the automatic ISCJB locations will continue to be produced alongside the AK135 solutions to observe the long-time continuity of the ISC Bulletin.

Addendum III

From data month January 2009 the ISC hypocentres are computed using the new ISC location algorithm and all reported IASPEI seismic phases, for which ak135 predictions are available. This algorithm is described in: Bondár, I. and D.A. Storchak (2011), Improved location procedures at the International Seismological Centre, Geophys. J. Int., 186, 1220-1244, doi:10.1111/j.1365-246X.2011.05107.x

The alternative locations based on JB-tables are still produced with the original location algorithm for consistency with the past data. It is still the plan that by the middle of calendar year 2014 all ISC locations (1960-2008) are going to be re-computed with the new location algorithm and ak135 as part of the ISC Bulletin Re-Build project, sponsored by the US NSF and several agencies from Japan, China and India.

UCR 01 00:00:02.0, 7.1050N, 84.88W, h102km, 4km, MW3.5, Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Laguna Cedee, Volcan Arenal, etc.

IDC 01 00:03:58.3, 0.5, 14.98S, 167.36E, h0km, mb4.4/19, mbmp4.4/21, MLS.3/2, MS4.0/35, Error ellipse:

s-maj=14.8km s-min=13.2km az=171.0 NOU 01 00:04:01.4, 14.95S, 167.30E, h3km, mb4.9/44, Vanuatu Islands

GCMT 01 00:04:02.9, 0.3, 14.83S, 0.02, 167.27E, 0.02, h23km, 1km, MW4.9/82, Moment Tensor Solution, s25, c30, s82, c109;

Duration: 0 Moment tensor: Scalis 1.016Nm; Mw1.28; 1.9; Mw1.44; 1.2; Mw2.73; 1.4; Mw0.83; 2.0; Mw1.10; 1.0; Mw1.19; 1.8; Best double couple; M2.79900, 1016 NP1.208, 00000, 648.00000, 1.58.00000. NP2: 0.313, 00000, 674.00000, 4.44.00000. Principal axes: T 2.1980, Plg42.0000, Azm180.0000; N 1.1920, Plg43.0000, Azm328.0000; P -3.4000, Plg16.0000, Azm74.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BUI 01 00:04:04.3, 14.52S, 167.58E, h36km, mB5.1/10, mb4.8/40 NEIC 01 00:04:06.0, 1.9, 14.95S, 0.06, 167.29E, 0.05, h40km, 5km, mb4.8/65, Error ellipse: s-maj=9.7km s-min=4.6km az=142.0

ISC 01 00:04:04.2, 0.3, 14.94S, 0.05, 167.42E, 0.05, h35km, n218, 0127/211, mb4.8/62, MS4.0/33, 6C-2D, Vanuatu Islands

Main table of station data for Costa Rica and Vanuatu Islands, including station names like Lakatoro, Devils Point, Luesalamba, etc.

Main table of station data for various regions, including stations like Stephens Creek, McQueen's Vall, Tooolangi, etc.

Main table of station data for various regions, including stations like Changchun, BinXian, LuoYang, etc.

1d 0h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FDMO, ZCCA, NRCA, SENIN, etc.

MEX 01 00:11:40.0±1.6, 15.00°N-94.20°W, h17km, 51km, MD3.9, Off coast of Chiapas

NOU 01 00:12:31.4, 14.99°S-167.32°E, h1km, MLV4.6/12, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VLAKA, VLAKE, DVP, etc.

IDC 01 00:21:23.5±0.6, 34.93°S; 111.72°W, h0km, mb4.2/10, mbtmp4.1/10, MS4.0/28, Error ellipse: s-maj=28.3km s-min=20.8km az=94.0

NEIC 01 00:21:25.1±0.9, 34.9S; 0.1x111.6W±0.2, h10km, 1km, mb4.0/29, Error ellipse: s-maj=28.3km s-min=16.1km az=93.0

GCMT 01 00:21:30.0±0.3, 35.3S; 0.04±11.38W±0.02, h12km, MW4.9/79, Moment Tensor Solution, s20.c22, s79.c96; Duration: 0 Moment tensor: Scale 1019Nm; Mr=1.66±0.08; Mw=0.12±0.08; Mo=1.79±0.06; Mo=2.16±0.36; Mo=3.63±0.06; Mo=0.09±0.22; Best double couple: Mo2.58000±0.1016 NP1.9±11.00000±0.400000±0.3700000±. NP2: 0±1.3100000±0.6700000±0.12400000±. Principal axes: T 1.9730, Plg15.0000±, Azm245.0000±, N 1.2210, Plg31.0000±, Azm145.0000±; P -3.1870, Plg65.0000±, Azm358.0000±; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=55s. Triangular

ISC 01 00:21:24.7±0.5, 34.89°S; 0.09±11.6W±0.1, h10km, n78, ±0.96/49, mb4.7/23, MS4.1/27, Southern East Pacific Rise

Main table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VA02, RPN, H03S2, etc.

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Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like U15A, HHAR, NV11, etc.

IDC 01 00:34:25.8±2.4, 6.17°N; 127.60°E, h50km, 22km, mb3.5/10, mbtmp3.7/11, ML3.9/1, MS3.3/1, Error ellipse: s-maj=25.6km s-min=14.2km az=63.0

ISC 01 00:34:26.1±0.7, 6.2N±0.1; 127.6E±0.1, h52km, n12, ±0.90/15, mb3.8/10, Philippine Islands region

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAV, WRA, ASAR, etc.

MDD 01 00:36:59.0±0.9, 40.44°N; 10.45°W, h20km, mb_Lg2.7/6, Error ellipse: s-maj=8.6km s-min=4.0km az=88.0

INMG 01 00:37:00.6±1.3, 40.48°N; 10.52°W, h43km, ML1.9, Error ellipse: s-maj=5.8km s-min=2.0km az=94.0, ±DIST RANGE: REGIONAL #PMA_REGION: Abissal

IGIL 01 00:37:00.2±0.4, 46°N; 10.51°W, h32km, ML1.8

CNRM 01 00:37:02.4±0.2, 39°N; 10.38°W, h53km, ML3.9

ISC 01 00:36:55.6±1.6, 40.45°N; 0.03±10.51W±0.07, h10km, n49, ±194/88, North Atlantic Ocean

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CASMIL, PCAS, etc.

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PACT, EZAM, etc.

IDC 01 00:46:12.7±2.0, 4.02°N; 126.51°E, h0km, mb3.3/4, mbtmp3.3/4, Error ellipse: s-maj=178.2km s-min=23.8km az=66.0, Talaud Islands

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR, etc.

MEX 01 00:46:13.9±0.8, 15.92°N-95.10°W, h28km, 25km, MD3.5, Near coast of Oaxaca

Table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUIG, CMIG, etc.

IDC 01 00:58:33.1±1.5, 1.33°N; 125.66°E, h0km, mb3.2/4, mbtmp3.3/4, Error ellipse: s-maj=202.0km s-min=22.6km az=68.0

DJA 01 00:58:45.2±0.4, 0.7°S; 12.3°E, h69km, 10km, M3.8/9, mb3.8/1, MLV3.8/9

ISC 01 00:58:44.1±1.0, 23S±0.06; 123.12E±0.06, h50km, n12

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KIV Kislovodsk, KVAR Kislovodsk Arr, VSHL Vashlovani, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like LESA Schwarzeleot, CHGR Chuyangaron, WATA Walderalm, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like STKA Stephens Creek, BBOO Buclekoo, PHRA Makanchi Arr, etc.

NEIC 01 02:10:34.7z, 1.5:6.9SR:0.1x0.142:25E:0.09, h10km, 1km, mb4.0/10, Error ellipse: s-maj=17.4km s-min=14.1km az=38.0

IDC 01 02:10:36.2z, 0.9:6.0SR:142:28E, h0km, mb3.7/7, mbmp3.8/11, ML4.0/3, MS3.1/2, Error ellipse: s-maj=31.3km s-min=12.7km az=98.0

ISC 01 02:10:38.7z, 0.7:5.9SR:0.06:142:33E:0.08, h28km, n26, s184/29, mb3.7/9, New Guinea

KRSC 01 02:52:39.8z, 0.8:55.77N:164:13E, h63km, 21km, MI3.7, Komandorsky Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KBTR Krutoberegovo, BKI Bering, KLY Kluychi, etc.

1d 3h

Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like Davao City (W), Sanghie, Ternate, etc.

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Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like Ar Rayn, Minto, Yukon-K, etc.

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Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like Chulitna, M23K, M23K, etc.

L18K	Granite Mouta	3.31 289	Pn	Pn	03 04 19.6 +0.8
L18K	comp=E,5jum,0.9s		IAML		03 05 16.2
L18K	comp=N,5jum,0.9s				03 05 19.8
L18K	Granite Mouta	3.31 289	P	Pn	03 04 19.7 +0.9
NEA2	Nenana	3.31 7	P	Pn	03 04 19.6 +0.7
MENT	Harding Lake	3.36 58	Pn	Pn	03 04 20.1 +0.5
HDA	HDA	3.40 23	IAML		03 05 18.7
HDA	comp=N,7jum,1.0s				03 05 18.7
HDA	Harding Lake	3.40 23	P	Pn	03 04 21.8 +1.7
RIDG	Independent RI	3.40 42	IAML		03 05 13.8
RIDG	comp=N,5jum,1.0s				03 04 22.1 +1.9
RIDG	Independent RI	3.40 42	P	Pn	03 04 21.2 +0.6
J20K	Nowinta River	3.45 328	IAML		03 05 02.4
J20K	comp=N,5jum,0.8s				03 05 02.5
J20K	Nowinta River	3.45 328	P	Pn	03 04 21.4 +0.7
CCB	Clear Creek	3.48 16	IAML		03 05 25.1
M26K	Nabesna, AK	3.48 69	P	Pn	03 04 21.8 +0.5
L26K	Log Cabin Wild	3.55 58	IAML		03 04 23.2 +1.0
L26K	Log Cabin Wild	3.55 58	IAML		03 05 25.2
L26K	comp=E,4jum,0.6s				03 05 27.8
L26K	Log Cabin Wild	3.55 58	P	Pn	03 04 22.6 +0.4
M17K	Holinta River	3.59 275	P	Pn	03 04 23.4 +0.8
M17K	Holinta River	3.59 275	P	Pn	03 04 23.4 +0.8
N17K	Nushagak Hills	3.60 260	IAML		03 04 23.4 +0.5
N17K	Nushagak Hills	3.60 260	IAML		03 05 05.3
N17K	comp=N,4jum,0.9s				03 05 33.2
N17K	Nushagak Hills	3.60 260	P	Pn	03 04 23.5 +0.7
Q18K	Katmai Hardscr	3.68 225	P	Pn	03 04 24.4 +0.4
COLA	College	3.70 14	Pn	IAML	03 04 24.8 +0.7
COLA	comp=N,6jum,0.6s				03 05 24.7
COLA	College	3.70 14	P	Pn	03 04 25.5 +1.4
COLA	comp=N,5jum,0.6s				03 04 25.5 +1.4
COLA	College	3.70 14	P	Pn	03 04 24.6 +0.5
COLA	College	3.70 14	P	Pn	03 04 24.6 +0.5
J19K	Poorman	3.73 318	IAML		03 04 25.2 +0.6
J19K	Poorman	3.73 318	IAML		03 05 28.9
J19K	comp=N,6jum,1.1s				03 05 31.9
J19K	comp=E,4jum,0.8s				03 04 25.3 +0.6
J19K	Poorman	3.73 318	P	Pn	03 04 25.3 +0.6
ILAR	Eielson Array	3.74 21	P	Pn	03 04 24.9 +0.3
ILAR	comp=E,142nm,0.3s,baz=203,slow=13,SNR=234				03 05 12.3 +4.9
ILAR	comp=E,772nm,0.7s,baz=216,slow=18,SNR=3.4		LR		03 06 01.4
ILAR	comp=E,2jum,20.1s,baz=242,slow=41				03 04 25.0 +0.3
ILAR	Eielson Array	3.74 21	P	Pn	03 04 25.0 +0.3
KDAD	Kodiak Island	3.75 202	P	Pn	03 04 24.6 +0.9
KDAD	Kodiak Island	3.75 202	P	Pn	03 04 24.1 -1.2
KDAD	comp=E,47nm,0.3s,baz=240,slow=3.9,SNR=110				03 05 16.7 +8.2
KDAD	comp=E,1jum,0.6s,baz=53,slow=22,SNR=6.2		LR		03 06 06.1
KDAD	Kodiak Island	3.79 202	P	Pn	03 04 25.0 -0.4
KDAD	Kodiak Island	3.79 202	P	Pn	03 04 24.0 -1.3
O17K	Koliga River	3.84 249	P	Pn	03 04 25.3 +0.3
SCRK	Sand Creek	3.84 43	IAML		03 05 28.6
SCRK	comp=N,5jum,0.9s				03 05 30.9
SCRK	Sand Creek	3.84 43	P	Pn	03 04 27.3 +1.1
I23K	Minto, Yukon-K	3.85 4	IAML		03 05 39.3
I23K	Minto, Yukon-K	3.85 4	P	Pn	03 04 26.6 +0.4
P17K	Kvichak River	3.86 239	P	Pn	03 04 26.6 +0.4
J25K	Salcha River	3.92 31	IAML		03 04 27.5 +0.3
J25K	Salcha River	3.92 31	IAML		03 05 21.6
J25K	comp=N,3jum,0.7s				03 05 24.2
J25K	Salcha River	3.92 31	P	Pn	03 04 27.8 +0.6
M27K	Edge Creek, AK	3.98 71	P	Pn	03 04 28.1 -0.1
POKR	Poker Plat Res	3.98 16	IAML		03 05 44.0
POKR	Poker Plat Res	3.98 16	P	Pn	03 04 29.0 +0.9
L17K	Donlin	4.04 285	P	Pn	03 04 29.4 +0.6
L17K	Donlin	4.04 285	P	Pn	03 04 29.6 +0.9
I20K	Naahedeneel	4.04 332	P	Pn	03 04 29.6 +0.7
I20K	Naahedeneel	4.04 332	P	Pn	03 04 29.5 +0.7
ACHA	Angle Creek He	4.12 223	Pn	Pn	03 04 30.2 +0.1
K17K	Iditarod	4.16 293	P	Pn	03 04 31.5 +1.0
L27K	Beaver Creek,	4.20 62	P	Pn	03 04 31.7 +0.6
L27K	Beaver Creek,	4.20 62	P	Pn	03 04 31.6 +0.6
BCAR	Beaver Creek A	4.22 62	Pn	Pn	03 04 31.9 +0.5
Q16K	King Salmon	4.27 235	P	Pn	03 04 32.8 +0.9
Q17K	Contact Creek	4.28 227	P	Pn	03 04 32.4 +0.2
J26L	Joseph Creek	4.34 40	P	Pn	03 04 33.6 +0.6
M16K	Timber Creek	4.36 270	IAML		03 04 33.9 +0.7
M16K	Timber Creek	4.36 270	IAML		03 05 57.7
M16K	comp=N,2jum,1.0s				03 05 59.4
M16K	Timber Creek	4.36 270	P	Pn	03 04 34.1 +1.0
O16K	Kokwok River B	4.37 250	IAML		03 04 33.6 +0.3
O16K	Kokwok River B	4.37 250	IAML		03 05 51.4
O16K	comp=N,3jum,1.1s				03 05 59.3
O16K	Kokwok River B	4.37 250	P	Pn	03 04 33.8 +0.5
N16K	Nishik Lake	4.37 263	P	Pn	03 04 34.1 +0.7
N16K	Nishik Lake	4.37 263	P	Pn	03 04 34.1 +0.7
R18K	Karuk	4.40 213	P	Pn	03 04 33.8 0.0
OHAK	Old Harbor	4.45 204	Pn	Pn	03 04 34.9 +0.5
OHAK	Old Harbor	4.45 204	P	Pn	03 04 33.4 -1.0
OHAK	Old Harbor	4.45 204	P	Pn	03 04 32.8 -1.6
OHAK	Old Harbor	4.45 204	P	Pn	03 04 34.4 -0.3
BVCY	Beaver Creek	4.46 72	P	Pn	03 04 34.9 +0.3
H21K	Melozitna Rive	4.53 345	P	Pn	03 04 36.3 +0.8
L16K	Owhat River	4.56 279	IAML		03 06 03.2
L16K	comp=N,2jum,0.8s				03 06 08.8
L16K	Owhat River	4.56 279	P	Pn	03 04 36.6 +0.7
L16K	comp=N,2jum,1.4s				03 04 36.6 +0.2
L16K	Owhat River	4.56 279	P	Pn	03 04 36.6 +0.2
YUK3	Moose Creek	4.58 80	P	Pn	03 04 36.6 +0.2
P16K	Nushagak River	4.61 244	P	Pn	03 04 37.5 +0.9

H24K	Noodor Dome	4.63 11	P	Pn	03 04 37.6 +0.7
H22K	Ishalitina Cre	4.63 353	P	Pn	03 04 37.3 +0.4
GCSA	Galena City Sc	4.65 321	P	Pn	03 04 38.0 +0.8
PRP	Porcupine Dome	4.67 23	IAML		03 05 40.4
PRP	comp=N,3jum,0.6s				03 05 41.0
PRP	Porcupine Dome	4.67 23	P	Pn	03 04 38.3 +0.8
J17K	VABM Dome	4.72 300	IAML		03 06 01.6
J17K	comp=E,2jum,0.9s				03 06 02.5
J17K	comp=N,2jum,0.9s				03 04 38.6 +0.5
J17K	VABM Dome	4.72 300	P	Pn	03 04 39.0 +0.7
H20K	Antoleneega Mo	4.73 334	P	Pn	03 04 39.3 +1.0
H20K	Antoleneega Mo	4.73 334	P	Pn	03 04 39.3 +1.0
O28M	Mount Upton	4.79 92	P	Pn	03 04 39.9 +0.5
YUK8	Steele Glacier	4.93 86	P	Pn	03 04 41.7 +0.4
P1NM	Pinnacle	4.94 100	P	Pn	03 04 40.9 -0.3
IMAR	Indian Moutai	4.97 342	Pn	Pn	03 04 42.0 +0.5
I26K	Coal Creek 1,2s	5.05 35	P	Pn	03 04 43.8 +1.2
N15K	Kwethluk River	5.09 261	P	Pn	03 04 44.0 +0.8
H19K	Roundabout Mo	5.12 328	IAML		03 06 23.4
H19K	comp=N,2jum,1.4s				03 06 26.4
H19K	Roundabout Mo	5.12 328	P	Pn	03 04 44.2 +0.6
M15K	Kasigluk River	5.25 268	P	Pn	03 04 45.8 +0.4
M15K	Kasigluk River	5.25 268	P	Pn	03 04 45.7 +0.4
S11	Sitkinak Islan	5.25 206	P	Pn	03 04 45.6 +0.2
EGAK	Eagle	5.30 45	Pn	Pn	03 04 46.8 +0.7
EGAK	Eagle	5.30 45	Pn	Pn	03 04 47.2 +1.1
J16K	Anvik River	5.33 296	IAML		03 06 36.6
J16K	Anvik River	5.33 296	P	Pn	03 04 47.1 +0.6
O15K	Ungalakou R	5.35 251	P	Pn	03 04 47.6 +0.9
H18K	Honhosa River	5.39 319	P	Pn	03 04 48.2 +0.9
H18K	Honhosa River	5.39 319	P	Pn	03 04 47.7 +0.4
R16K	Pilot Point	5.40 229	P	Pn	03 04 47.8 +0.4
G23K	Banana Creek	5.41 360	P	Pn	03 04 48.3 +0.7
G21K	Alalakiet	5.44 345	P	Pn	03 04 48.7 +0.7
YUK4	Talbot Arm	5.46 85	P	Pn	03 04 49.0 +0.5
G24K	Hadwenzic Riv	5.51 10	P	Pn	03 04 49.7 +0.7
L15K	Ungalak Moun	5.52 279	P	Pn	03 04 49.8 +0.7
K15K	Wolf Creek Mou	5.56 285	P	Pn	03 04 50.5 +0.9
M29M	Somme Creek	5.57 73	P	Pn	03 04 50.5 +0.6
I17K	Unalakleet	5.57 302	P	Pn	03 04 51.0 +1.2
DAWY	Dawson	5.60 56	P	Pn	03 04 51.3 +1.0
YUK6	Outpost Mounta	5.65 89	P	Pn	03 04 51.0 0.0
G22K	Bettles	5.66 354	P	Pn	03 04 51.5 +0.5
O29M	Mount Kennedy	5.68 95	Pn	Pn	03 04 51.7 +0.3
O29M	Mount Kennedy	5.68 95	P	Pn	03 04 51.6 +0.2
I27K	Kandik River	5.70 37	P	Pn	03 04 52.6 +1.0
G25K	Beaman Lake	5.72 16	P	Pn	03 04 53.0 +1.1
G19K	Purcell Mounta	5.77 330	P	Pn	03 04 52.9 +0.3
G19K	Purcell Mounta	5.77 330	P	Pn	03 04 52.5 0.0
H17K	Granite Mounta	5.78 313	P	Pn	03 04 53.7 +1.0
L29M	29M	5.83 67	P	Pn	03 04 53.9 +0.5
M14K	Bethel	5.85 270	P	Pn	03 04 54.7 +1.1
N14K	Kuskokwak Cree	5.93 261	P	Pn	03 04 55.6 +1.0
N14K	Kuskokwak Cree	5.93 261	P	Pn	03 04 55.6 +1.0
COLD	Coldfoot	5.93 359	P	Pn	03 04 55.4 +0.7
O14K	Tiguykuiwet M	5.98 255	P	Pn	03 04 55.9 +0.5
O14K	Tiguykuiwet M	5.98 255	P	Pn	03 04 55.5 +0.1
G18K	Tagagawik	6.00 324	P	Pn	03 04 56.5 +0.9
G18K	Tagagawik	6.00 324	P	Pn	03 04 56.1 +0.5
HYT	Haines Junctio	6.08 89	P	Pn	03 04 57.4 +0.5
L14K	Kulka Creek	6.11 276	P	Pn	03 04 58.2 +1.0
F21K	Alatna River	6.12 347	P	Pn	03 04 58.0 +0.7
I28M	Miner Creek	6.12 43	P	Pn	03 04 58.2 +0.8
H27K	Stenboat Moun	6.19 34	P	Pn	03 04 58.7 +0.4
N30M	Aishikik Lake	6.20 83	P	Pn	03 04 57.9 -0.6
N30M	Aishikik Lake	6.20 83	P	Pn	03 04 58.0 -0.4
G26K	Porcupine Rive	6.27 23	P	Pn	03 05 00.3 +1.0
F20K	Avaraat Lake	6.27 339	P	Pn	03 04 59.7 +0.4
F22K	John River	6.28 352	P	Pn	03 05 00.5 +1.0
F24K	Squaw Lake	6.29 7	P	Pn	03 05 00.5 +0.8
K29M	Barlow Dome	6.29 61	P	Pn	03 05 00.4 +0.7
K29M	Barlow Dome	6.29 61	P	Pn	03 04 59.8 +0.1
P29M	Windy Craggy	6.29 100	P	Pn	03 05 00.2 +0.6
M30M	Minto, Yukon	6.35 73	P	Pn	03 05 00.5 0.0
M30M	Minto, Yukon	6.35 73	P	Pn	03 05 00.9 +0.3
G17K	Kiwalik Mount	6.36 316	P	Pn	03 05 01.4 +0.9
H16K	Elmir	6.50 306	P	Pn	03 05 03.7 +1.3
F19K	Shalercukio Mo	6.50 332	P	Pn	03 05 02.9 +0.5
P30M	Million Dollar	6.50 95	P	Pn	03 05 02.9 +0.2
J14K	Nanvaranak Lak	6.54 289	P	Pn	03 05 03.9 +0.9
J14K	Nanvaranak Lak	6.54 289	P	Pn	03 05 03.9 +0.9
BMAR	Burnt Mountain	6.56 19	Pn	Pn	03 05 04.8 +1.4
F25K	Christian Rive	6.57 15	Pn	Pn	03 05 05.0 +1.5
F25K	Christian Rive	6.57 15	Pn	Pn	03 05 04.5 +1.0
M13K	Dall Lake	6.59 268	P	Pn	03 05 05.4 +1.7
G27K	Doyon Strip	6.61 30	P	Pn	03 05 05.1 +1.1
O23K	Chandalar	6.77 1	P	Pn	03 05 07.5 +1.2
E30K	Selawik	6.77 89	P	Pn	03 05 06.1 -0.1
F18K	Selawik	6.79 325	P	Pn	03 05 07.3 +1.0
E24K	Your Creek	6.81 5	P	Pn	03 05 08.2 +1.3
N31M	Braeburn, Yuko	6.82 82	P	Pn	03 05 07.7 +0.7
F26K	Sheenjek River	6.88 19	P	Pn	03 05 07.9 +0.3
E22K	Anaktuvuk Pass	6.89 354	P	Pn	03 05 09.2 +1.4

G16K	Koyuk River	6.89 312	Pn	Pn	03 05 08.7 +0.8
G16K	Koyuk River	6.89			

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Table with columns: ID, Name, Time, Status, Type, Date, Time, Status, Type, Date, Time, Status, Type. Includes entries like A21K Barrow, DLBC Dease Lake, DLBC Dease Lake, etc.

Table with columns: ID, Name, Time, Status, Type, Date, Time, Status, Type, Date, Time, Status, Type. Includes entries like ULM Lac du Bonnet, RSSD Black Hills, RSSD Black Hills, etc.

Table with columns: ID, Name, Time, Status, Type, Date, Time, Status, Type, Date, Time, Status, Type. Includes entries like GRNR Gornyy, GRNR Gornyy, SPITS Spitsbergen Ar, etc.

LONY	comp=Z,22nm,1.0s	45.57	75	I	Amb	I	Amb	03 12 05.3
435B	Jarrell	45.62	107	I	Amb	I	Amb	03 11 46.4
435B	Jarrell	45.62	107	P	P	P	P	03 11 44.1 -0.5
WVT	Waverly	45.84	94	P	P	P	P	03 11 46.8 +0.5
WVT	Waverly	45.84	94	P	P	P	P	03 11 46.8 +0.5
FRNY	Flat Rock	45.88	74	P	P	P	P	03 11 46.1 -0.3
FRNY	Flat Rock	45.88	74	I	Amb	I	Amb	03 11 46.7
HND0	Hondo	45.91	110	I	Amb	I	Amb	03 12 09.3
CLTN	Cedars of Leba	46.60	93	I	Amb	I	Amb	03 11 53.8
VT1	Waterbury	46.65	74	I	Amb	I	Amb	03 11 52.7
833A	Chaparral WMA	46.89	111	P	P	P	P	03 11 55.7 +1.2
MCWV	Mont Chateau	46.90	84	I	Amb	I	Amb	03 13 27.4
SSPA	Standing Stone	47.07	82	P	P	P	P	03 11 56.3 +0.4
SSPA	Standing Stone	47.07	82	P	P	P	P	03 11 56.0 +0.1
SSPA	Standing Stone	47.07	82	P	P	P	P	03 13 26.4 -0.7
USRK	Ussuriysk Ar.	47.11	286	P	P	P	P	03 11 54.8 -1.3
USRK	Ussuriysk Ar.	47.11	286	I	Amb	I	Amb	03 33 59.1
HKT	Hockley	47.13	106	P	P	P	P	03 11 57.2 +0.9
HKT	Hockley	47.13	106	I	Amb	I	Amb	03 11 58.8
HKT	Hockley	47.13	106	P	P	P	P	03 11 57.2 +0.9
HKT	Hockley	47.13	106	P	P	P	P	03 11 57.6 +1.3
HKT	Hockley	47.13	106	P	P	P	P	03 12 11.6 +1.3
CPCT	Cooper Cave	47.98	91	I	Amb	I	Amb	03 12 04.0
L61B	Northampton	48.12	76	P	P	P	P	03 12 04.8 +0.8
TKL	Tuckaleechee C	48.18	91	I	Amb	I	Amb	03 12 05.1
TKL	Tuckaleechee C	48.18	91	LR	LR	LR	LR	03 33 14.4
ODNJ	Ogdensburg	48.28	79	P	P	P	P	03 12 05.4 +0.2
ODNJ	Ogdensburg	48.28	79	I	Amb	I	Amb	03 12 07.7
SDMD	Soldier's Deli	48.53	82	I	Amb	I	Amb	03 12 08.2
BORG	Borgarnes	48.55	27	LR	LR	LR	LR	03 37 17.2
HIA	Hailar	48.67	299	I	Amb	I	Amb	03 12 23.6
WUPA	West Chester U	48.71	80	I	Amb	I	Amb	03 12 09.7
LRAL	Lakeview Retre	48.75	96	I	Amb	I	Amb	03 12 14.6
BG3	Lake Jocassee	49.12	90	I	Amb	I	Amb	03 13 35.6
ARCES	ARCES Array B	49.39	2	P	P	P	P	03 12 13.1 -0.2
ARCES	ARCES Array B	49.39	2	P	P	P	P	03 13 34.4 -0.5
ARCES	ARCES Array B	49.39	2	P	P	P	P	03 34 47.1
PAUL	Pauline	49.80	90	I	Amb	I	Amb	03 13 37.4
HODGE	Hodges	50.06	90	I	Amb	I	Amb	03 12 19.6
MAJO	Matsushiro	50.16	275	P	P	P	P	03 12 17.8 -1.9
MAJO	Matsushiro	50.16	275	P	P	P	P	03 12 19.4 -0.3
MJAR	Matsushiro Arr	50.16	275	P	P	P	P	03 12 34.0 +0.6
MJAR	Matsushiro Arr	50.16	275	P	P	P	P	03 34 39.1
ZAIG	Zacatecas	50.33	118	I	Amb	I	Amb	03 12 23.8
CN2	Changchun	50.41	291	P	P	P	P	03 12 20.1 -1.3
CN2	Changchun	50.41	291	P	P	P	P	03 12 37.2 +2.0
JSC	Jenkinsville	50.50	89	I	Amb	I	Amb	03 12 22.9
BIRD	Birdtown, Kers	50.59	88	I	Amb	I	Amb	03 12 23.5
LVZ	Lovozero	51.03	358	P	P	P	P	03 12 24.6 -1.2
LVZ	Lovozero	51.03	358	P	P	P	P	03 12 25.4 -0.4
APA	Apaitity	51.38	358	P	P	P	P	03 12 25.3 -3.1
APA	Apaitity	51.38	358	P	P	P	P	03 13 44.0
SGF	Sodankyl	51.51	2	P	P	P	P	03 12 30.6 +1.3
JRQJ	Juriquilla Cam	53.06	117	I	Amb	I	Amb	03 12 43.9
OUL	Oulu	53.87	2	P	P	P	P	03 12 46.9 +0.2
MOY	Monday	54.02	313	P	P	P	P	03 12 48.9 +0.6
ZAK	Zakamensk	54.27	311	P	P	P	P	03 12 49.0 -1.0
KSR5	Korea Array	54.32	284	P	P	P	P	03 12 50.5 +0.2
KSR5	Korea Array	54.32	284	P	P	P	P	03 13 06.0 +1.7
KSR5	Korea Array	54.32	284	P	P	P	P	03 36 56.1
XLT	XilinHaoTe	54.45	298	P	P	P	P	03 12 51.2 -0.2
ULN	Ulanbaatar	54.92	307	P	P	P	P	03 12 54.9 +0.1
ULN	Ulanbaatar	54.92	307	P	P	P	P	03 13 14.2
ULN	Ulanbaatar	54.92	307	P	P	P	P	03 12 54.7 -0.1
ULN	Ulanbaatar	54.92	307	P	P	P	P	03 12 54.7 -0.1
ULN	Ulanbaatar	54.92	307	P	P	P	P	03 13 08.9 +0.2
SONM	Songino Array	55.20	307	P	P	P	P	03 12 57.2 +0.4
JNU	Nakatuye	56.45	279	LR	LR	LR	LR	03 38 47.9
TLIG	Tiapa	56.66	117	I	Amb	I	Amb	03 13 09.9
NB2	NORSAR Array S	57.09	10	I	Amb	I	Amb	03 13 09.9
NB2	NORSAR Subarra	57.12	11	P	P	P	P	03 13 09.2 -0.9
NB2	NORSAR Subarra	57.12	11	P	P	P	P	03 13 06.4 -3.8
NOA	NORSAR Array B	57.12	11	P	P	P	P	03 13 09.3 -0.9
NOA	NORSAR Array B	57.12	11	P	P	P	P	03 39 44.6
ZAA0	Zalesovo Array	57.17	325	P	P	P	P	03 13 08.8 -1.7
ZAA0	Zalesovo Array	57.17	325	P	P	P	P	03 13 35.0
ZALV	Zalesovo Beam	57.17	325	P	P	P	P	03 13 09.3 -1.2
ZALV	Zalesovo Beam	57.17	325	P	P	P	P	03 41 00.0

NORES	NORESS Array B	57.44	11	P	P	P	P	03 13 13.1 +0.7
FINES	FINESS Array B	57.52	2	P	P	P	P	03 13 12.1 -0.9
BJI	Beijing	57.55	295	P	P	P	P	03 13 13.2 -0.3
BJT	Baijiatuu	57.57	295	P	P	P	P	03 13 13.4 -0.3
KLMR	Klimovskoe	57.93	355	P	P	P	P	03 13 11.9 -3.9
HFS	Hagfors	58.22	10	P	P	P	P	03 13 16.7 -1.2
CMIG	Matias Romero	58.68	113	LR	LR	LR	LR	03 38 34.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 22.2 -0.6
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 52.7
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 55.7 +1.2
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 13 27.4
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 12 09.3
HHC	Hu-ho-hao-te	58.87	299	P	P	P	P	03 11 53.8
HHC</								

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2019 JAN

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PVCC, VORD, CHVC, NKC, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GECZ, GEC2, GERES, KRUC, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SORM, RAKU, DAVOX, BAL3X, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like FRGS Fruska Gora, NEHR Nehouvi, ARRR Arges, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BAUV EU Baur, MUDU Muduru, EI ROSAL El Rosal, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like KOVA Elazig, Kovanc, PTK Perek, etc.

IDC 01 03:11:44.8.2.9.00N.126.35E, h81km, 71km, mb3.0/3, mbmt3.4/4, ML3.6/1, Error ellipse: s-maj=96.2km s-min=28.6km az=68.0, Mindanao

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like DAV Davao City (W), ASAR Alice Springs, H11S3 WAKE ISLAND Hy 40.23 72 T, etc.

THE 01:03:12:04.2.39.57N.25.96E, h14km, 1km, ML2.3/5, Error ellipse: s-maj=2.3km s-min=0.5km az=220.0, Aegean Sea

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SIGR SIGRI, PRK Paraskevi, LIA Limnos Island, etc.

WEL 01 03:40:19.4.1.3.34'S.7.17'E.8E.1.4, h33km, M3.8/6, s-maj=1.8, ML3.5/8/6, Mw(m)B3.4/1, Error ellipse: s-maj=8.2km az=78.4, South of Kermadec Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like MXZ Matakaoa Point, Te Kaha, WMGZ Waioamatatini S, etc.

1d 3h

Table with columns: RIGZ, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like RIMU, SHANN, PARITU, etc.

IDC 01 03:46:28.70.0.8, 24.05S:14.93W, h0km, mb4.2/9, mbmp4.2/9, MS3.6/10, Error ellipse: s-maj=33.9km s-min=18.6km az=133.0

NEIC 01 03:46:31.2.1.7, 24.05S:14.15W, 0.0/1, h10km, 1km, mb4.5/9, Error ellipse: s-maj=26.3km s-min=17.8km az=134.0

ISC 01 03:46:30.4.0.6, 24.05S:14.15W, 0.0/1, h10km, n46, e1504/32, mb4.2/23, MS3.5/10, Southern Mid-Atlantic Ridge

Main station list table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like SHEL, H10S2, H10S3, etc.

WEL 01 03:55:52.1.35.77S:175.05E, h6km, ML4.1, Mw4.2, Moment Tensor Solution, s12 Moment tensor: Scale 1015Nm; Mw=1.87; Mw1.43; Mw0.43; Mw=0.87; Mw=2.19; Mw=0.13; Fault plane solution: M2.790000; 1015 NPT1; q=78.00000; s=59.00000; l=52.00000; NP2=202.00000; s=47.00000; l=136.00000; Principal axes: T 3.2460, P167.0000, Az=142.0000; N 0.9104, P131.0000; Az=236.0000; P 2.3376, P165.0000; Az=42.0000; Stations used: WCG GRZ KUZ OUZ MKAZ TOZ HIZ MXZ VRZ PUZ WHVZ BKZ OBLIQUE-NORMAL FAULTING

IDC 01 03:55:52.4.1.7, 35.77S:175.28E, h0km, mb3.4/2, mbmp3.4/3, ML3.4/1, MS3.5/3 Error ellipse: s-maj=71.5km s-min=31.3km az=39.0

WEL 01 03:55:52.1.0.6, 36.35S:147.57E, h12km, M4.0/15, ML4.2/14, MLv4.0/15, Error ellipse: s-maj=5.6km s-min=3.2km az=43.8

ISC 01 03:55:52.2.1.5, 35.80S:175.02E, 0.0/3, h5km, n10km, n81, e1958/94, Off east coast of North Island

2019 JAN

Main station list table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like WCG, WBCS, WBSO, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PB09, MOCB, AF01, etc.

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Main station list table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PB01, PB08, PB08, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PVIS, EPLA, MDT, PVRL, POLO, MVO, TIO, TTIG, OUZM, ELOB, PBRG, UCM.

WEL 01 04:36:56.5±1.1, 34°S×177E±.h33km, M4.0/7, mB4.5/1, ML4.4/12, MLv4.0/7, Mw(mB)3.7/1, Error ellipse: s-maj=10.8km s-min=8.0km az=72.8, North of New Zealand

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MXZ, HAZ, WMGZ, PKGZ, PUZ, TWGZ, URZ, TKGZ, CNGZ, RIGZ, BKZ, MCHZ, WAZ, BFZ, MRZ, QNZ, NNZ.

OMAN 01 04:39:47.1±0.1, 27°38N-58°29E, h10km, m3.4/18, Error ellipse: s-maj=1.6km s-min=1.1km az=44.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KHJN, KBNJ, JASK, KJASK, GENO, BANOM, SHME, MDH, MASF, UOSS, HATD, NAZO, ASHO, FAQ, SOHO, SRVN, ASUD, ASUD, BIDO, HOAQ, ALNE, SMDO, ARQ, BSY, WBK, IMEH, JLN, JRN, IRAM, KLNJ, KAD, DOK, DMTO, ABTO.

NAO 01 04:43:32.2±3.2, 72°10N×1.08E, ML2.8, IDC 01 04:43:34.3±1.6, 72°04N×1.73E, h0km, mb3.4/2, mbtmp3.6/6, ML2.9/4, Error ellipse: s-maj=33.5km s-min=19.3km az=51.0

BER 01 04:43:39.6±2.8, 72°17N×1.61E, h15km, m31km, mb(Pn)4.0, ML2.8(NAO), Confirmed Earthquake

ISC 01 04:43:36.6±1.1, 72°13N×0.07±2.14E±0.08, h10km, m33, c169/52, Norwegian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LOF, TRO, STEI, STEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JETT, FAUS, BRBB, DBG, DBG, KIF, KIF, STOK, HAMF, SPAO, SPAO, SPITS, LEIR, LEIR, DAG, MORR, MORR, MORR, KTKI, KTKI, KTKI, ARAO, ARAO, ARAO, ARAO, ARAO, ARCES, ARCES, ARCES, HEF, HEF, HEF, HEF, HFS, HFS, HFS, FINES, AKASO, ILAR.

WEL 01 04:36:56.5±1.1, 34°S×177E±.h33km, M4.0/7, mB4.5/1, ML4.4/12, MLv4.0/7, Mw(mB)3.7/1, Error ellipse: s-maj=10.8km s-min=8.0km az=72.8, North of New Zealand

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARAO, ARAO, ARAO, ARAO, ARAO, ARCES, ARCES, ARCES, HEF, HEF, HEF, HEF, HFS, HFS, HFS, FINES, AKASO, ILAR.

NOU 01 04:50:13.6, 17.70S-167.29E, h3km, MLV3.9/16, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DVP, VLAKA, VLAKA, MARNC, YATW, DZUM, NOZC, ONTNC.

KRSC 01 04:58:43.1±0.5, 55°24N-163°31E, h60km, 17km, M4.0, IDC 01 04:58:46.9±0.8, 55°33N-162°76E, h44km, 6km, mb3.5/13, mbtmp3.7/14, ML2.7/1, MS2.8/1, Error ellipse: s-maj=19.5km s-min=14.9km az=153.0

ISC 01 04:58:47.0±0.6, 55°30N-163°20E±0.05, h50km, n47, c137/52, mb3.7/13, Off east coast of Kamchatka

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBTR, KBTR, KBG, BZGR, SKI, BKI, BZWR, KMNR, KIRR, KRKR, KLY, KPT, KOZ, SRDR, ESO, BSN, NLC, NLC, GNL, DAL, DAL, PET, KRMR, PETK, PETK.

OSSR Oссора 3.96 359 eP Pn 04 59 44.8 -0.3

GRU Gorely 3.99 226 eS Pn 05 00 31.8 +0.7

MTVR Mutnovka 4.09 230 eP Pn 04 59 47.1 +0.0

APC Apacha 4.28 239 eP Pn 04 59 50.5 +1.0

KDRH Khodutka, Kamc 4.64 223 eP Pn 04 59 50.3 -1.5

TILK Tilichiki 5.39 16 eP Pn 04 59 05.7 +1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB, MKAR, BVAR, BVAR, PDAR, FINES, FINES, AKASO, AKASO, TXAR, TXAR, ASAR, ASAR, ASAR, ESDC, QSPA, QSPA.

VIE 01 05:04:09.6±1.1, 51°51'N×16°41'E, h0km, mb2.6/2, ml2.6/7, Error ellipse: s-maj=10.7km s-min=7.3km az=82.0, Suspected Mining Induced

IPEC 01 05:04:10.5±0.2, 51°48'N×16°18'E, h1km, ML2.0/5, Error ellipse: s-maj=3.0km s-min=1.4km az=72.0

PRU 01 05:04:13.1±0.4, 51°40'N×16°09'E, h0km, ISC 01 05:04:11.6±1.3, 51°47'N×0.06±16.11E±0.03, h0km, n29, c165/56, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP, KSP, CHVC, CHVC, OSTC, OSTC, UPC, UPC, DPC, PIVO, PIVO, PVCC, PVCC, KRCL, KRCL, BRG, BRG, BRG, PRU, PRU, STEB, STEB, HSKC, HSKC, MORC, MORC, MORC, CLL, CLL, CLL, VRC, VRC, KRUC, KRUC, KRUC, NKC, NKC, KHC, KHC, KHC, KHC, CKRC, CKRC, MODS, MODS, VYHS, VYHS, VYHS, CONA, CONA, CONA, RONA, RONA, RONA, MOA, MOA, MOA, STHS, STHS, STHS, BIOA, BIOA, BIOA, AROA, AROA, AROA, LESA, LESA, LESA, WTTA, WTTA, WTTA.

NOU 01 04:50:13.6, 17.70S-167.29E, h3km, MLV3.9/16, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DVP, VLAKA, VLAKA, MARNC, YATW, DZUM, NOZC, ONTNC.

KRSC 01 04:58:43.1±0.5, 55°24N-163°31E, h60km, 17km, M4.0, IDC 01 04:58:46.9±0.8, 55°33N-162°76E, h44km, 6km, mb3.5/13, mbtmp3.7/14, ML2.7/1, MS2.8/1, Error ellipse: s-maj=19.5km s-min=14.9km az=153.0

ISC 01 04:58:47.0±0.6, 55°30N-163°20E±0.05, h50km, n47, c137/52, mb3.7/13, Off east coast of Kamchatka

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBTR, KBTR, KBG, BZGR, SKI, BKI, BZWR, KMNR, KIRR, KRKR, KLY, KPT, KOZ, SRDR, ESO, BSN, NLC, NLC, GNL, DAL, DAL, PET, KRMR, PETK, PETK.

OSSR Oссора 3.96 359 eP Pn 04 59 44.8 -0.3

GRU Gorely 3.99 226 eS Pn 05 00 31.8 +0.7

MTVR Mutnovka 4.09 230 eP Pn 04 59 47.1 +0.0

APC Apacha 4.28 239 eP Pn 04 59 50.5 +1.0

KDRH Khodutka, Kamc 4.64 223 eP Pn 04 59 50.3 -1.5

TILK Tilichiki 5.39 16 eP Pn 04 59 05.7 +1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR, SKR, SKR, SKR, SKR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like MRSI Marisa, TOLIZ Tolitoli, SANI Sanana, LUWI Luwuk, MYLDM Lahad Datu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like SVSA 01 06:59:20.0, PCALD Caldeiras da R, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like SVSA 01 06:59:19.0, PCALD Caldeiras da R, etc.

NMC 01 06:59:24.2, 1.4, 52.27N:74.65E, h5km, 14km, mb3.2, mpv2.8, Error ellipse: s-maj=68.1km s-min=4.5km az=25.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like BVAO Borovoye Array, BVAO Borovoye, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like MEX 01 07:16:36.8, Oaxaca, PEIG Puerto Escondido, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like JSN 01 07:46:06.9, JSN 01 07:46:08.7, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like TEH 01 07:49:40.8, NSSP 01 07:49:41.3, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like COEN Coen, ASAR Alice Springs, WB2 Warrunguna Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like JMA 01 07:58:06.0, JMA 01 07:58:06.1, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like KRSC 01 08:02:52.8, KRSC 01 08:02:56.9, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like PETK 01 08:02:56.9, PETK 01 08:02:56.9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EMBD, DIX, BOUC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like STAF, SFUR, SZOU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, MKAR, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKI, KBTR, KBG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRSR, KIRSR, KMRN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MTRV, GRL, ILAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YKA, KURBB, MKAR, etc.

IDC 01 09:45:53.4-0.8, 24.16N:123.91E, h0km, mb3.6/9, mbmp3.6/12, ML2.8/3, Error ellipse: s-maj=28.1km s-min=16.6km az=75.0

NIED 01 09:45:55.5, 24.19N:124.24E, h14km, MW4.0, Moment Tensor Solution. s2 Moment tensor: Scale 1015Nm; M=0.74; Mss0.42; Mss0.32; Mss0.52; Mss0.69; Mss0.04;

JMA 01 09:45:55.5, 0.1, 24.2N:124.2E:0.6, h14km, 1km, MD4.2/14, MV3.8/14, NEAR ISHIGAKIJIMA ISLAND

JMA Fei I J1 at NEAR ISHIGAKIJIMA ISLAND. ISC 01 09:25:13.4+1.2, 24.216N:0.05:124.25E:0.03, h9km, 7km, n43, e087/48, mb3.6/11, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IJJI, IJJI, IJJI, etc.

KSR5 Korea Array 13.59 13 Pn Pn 09 49 09.7 +1.8

MJAR Matsushiro Arr 17.22 41 P P 09 49 57.9 +0.7

SONM Songino Array 27.51 333 P P 09 51 41.4 -0.3

H11N1 WAKE ISLAND Hy 39.73 88 T T 10 35 31.8

H1N2 WAKE ISLAND Hy 39.73 88 T T 10 35 24.5

H1N3 WAKE ISLAND Hy 39.74 88 T T 10 35 24.1

MKAR Makanchi Array 40.27 315 P P 09 53 30.9 -1.2

MKAR Makanchi Array 40.27 315 P P 09 53 36.2 +0.6

ZALV Zalesovo Beam 41.76 326 P P 09 53 42.8 -1.4

WRA Warramunga Arr 44.97 166 P P 09 54 09.7 -0.7

ASAR Alice Springs 48.50 168 P P 09 54 39.3 +1.2

STKA Stephens Creek 58.15 163 P P 09 55 49.4 +0.3

ILAR Eielson Array 67.93 28 P P 09 56 55.5 +2.0

BRTR Keskin Array B 75.38 307 P P 09 57 36.3 -2.8

YKA Yellowknife Arr 81.87 24 P P 09 58 15.1 +0.9

IDC 01 09:52:27.9:10.0, 20.08S:175.46W, h0km, mb3.5/3, mbmp3.5/3, Error ellipse: s-maj=443.9km s-min=39.6km az=144.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR, WRA, ILAR, etc.

IDC 01 09:53:04.0:1.8, 18.98S:171.34E, h634km, 40km, mb2.6/3, mbmp3.7/4, Error ellipse: s-maj=242.1km s-min=21.7km az=164.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSRV, WRA, ASAR, etc.

0.2nm, 0.4s, baz=210, slow=12, SNR=5.4 KURBB Kurchatov Arra 14.60 18 P Pn 09 56 49.2 0.0

AB31 Akbulak array 14.86 329 P Pn 09 57 58.1 +5.4

BVAR Borovoye Array 16.10 358 P P 09 57 06.6 +0.7

ARCES ARCESS Array B 40.87 337 P P 10 00 52.1 +0.6

ASAR Alice Springs 84.22 125 P P 10 05 35.9 -1.9

IDC 01 09:55:12.0:0.8, 24.16N:124.12E, h0km, mb3.6/11, mbmp3.6/14, ML3.1/3, MS3.5/1, Error ellipse: s-maj=24.0km s-min=15.7km az=74.0

JMA 01 09:55:13.3:0.1, 24.2N:0.6:124.2E:0.6, h14km, 1km, MD4.2/14, MV4.0/14, NEAR ISHIGAKIJIMA ISLAND

JMA Fei I J1 at NEAR ISHIGAKIJIMA ISLAND. ISC 01 09:25:13.4+1.2, 24.216N:0.05:124.25E:0.03, h9km, 7km, n43, e087/48, mb3.6/11, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IJJI, IJJI, IJJI, etc.

JOW Kunigami 4.50 53 P P 09 56 22.3 +0.6

KSR5 Korea Array 13.62 12 Pn Pn 09 58 27.9 +1.4

DAV Davao City (W) 17.05 176 LR LR 10 05 15.0

MJAR Matsushiro Arr 17.22 41 P P 09 59 16.6 +1.0

CMAR Chiang Mai Arr 24.23 261 P P 10 00 30.9 +0.2

SONM Songino Array 27.56 333 P P 10 01 00.3 -0.4

MKAR Makanchi Array 40.32 315 P P 10 02 49.1 -1.9

ZALV Zalesovo Beam 41.81 326 P P 10 03 01.1 -2.1

WRA Warramunga Arr 44.93 167 P P 10 03 28.3 -0.4

ASAR Alice Springs 48.46 168 P P 10 03 56.9 +1.0

BVAR Borovoye Array 49.48 320 P P 10 04 05.2 +1.4

STKA Stephens Creek 58.14 163 P P 10 05 07.5 +0.1

ILAR Eielson Array 67.94 28 P P 10 06 12.9 +0.7

RES Resolute Bay 78.22 10 P P 10 07 14.0 +1.2

SJA 01 09:57:25.8:0.7, 31.37S:68.66W, h109km, 2km, ML3.2, MW3.5, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RRTL, ZON, ACCO, etc.

L19K	White Mountain	6.84	337	Pn	11 14 34.7	-0.5
M17K	Hoitina River	6.89	325	Pn	11 14 35.6	-0.3
N15K	Kwethluk River	7.10	311	Pn	11 14 39.4	+0.6
O29M	Mount Kennedy	7.12	48	Pn	11 14 39.6	+0.5
M16K	Timber Creek	7.15	319	Pn	11 14 40.3	+0.9
P29M	Windy Craggy	7.19	69	Pn	11 14 39.3	+0.2
S31K	Pelican	7.40	69	Pn	11 14 40.3	+2.5
MENT	Mentasta	7.52	20	Pn	11 14 44.7	+0.2
N14K	Kuskokwak Cree	7.68	306	Pn	11 14 47.0	+0.3
BCAR	Beaver Creek A	8.05	25	Pn	11 14 52.0	+0.3
K17K	Iditarod	8.16	329	Pn	11 14 52.6	-0.7
SKAG	Skagway	8.23	59	Pn	11 14 53.9	+1.0
N03M	Aishikh Lake	8.37	44	Pn	11 14 56.5	+0.2
O30N	Mendenhall	8.42	50	Pn	11 14 56.5	+0.4
IL31		8.89	7	Pn	11 15 03.4	+1.1
ILAR	Eielson Array	8.89	7	Pn	11 15 03.1	-0.1
LLAR	comp=N,0.4nm,0.3s,baz=169,slo=13,SNR=20					
	comp=N,0.4nm,0.3s,baz=191,slo=15,SNR=6.9					
	comp=N,0.8nm,0.4s					
P32M	Atlin	9.05	60	Pn	11 15 04.9	-0.6
I23K	Minto, Yukon-K	9.19	360	Pn	11 15 07.4	+0.1
Q32M	Nakina River	9.63	65	Pn	11 15 13.3	-0.3
EGAK	Eagle	9.68	21	Pn	11 15 15.3	+1.3
IMAR	Indian Mountai	10.26	350	Pn	11 15 21.7	-0.2
FARO	Faro, Yukon	10.26	46	Pn	11 15 22.4	-0.0
DLBC	Deasech Lake	10.72	69	Pn	11 15 28.7	+0.3
	comp=N,2.2nm,0.3s,baz=255,slo=6.4,SNR=8.6					
	comp=N,2.2nm,0.9s					
G21K	Allakaket	10.75	351	Pn	11 15 27.8	-0.9
BIAR	Burnt Mountain	11.65	9	Pn	11 15 43.0	+1.4
TOLK	Tootik Lake R	12.70	360	Pn	11 15 54.4	-1.0
D23K	Nanushuk River	13.04	358	Pn	11 16 01.4	+1.4
C24K	Franklin Bluff	13.78	1	Pn	11 16 11.9	+1.8
INK	Inuvik	14.31	24	Pn	11 16 18.0	+0.7
	comp=N,0.1nm,0.1s,baz=217,slo=14,SNR=8.7					
	comp=N,5.5nm,1.1s					
B20K	Meade River	14.49	349	Pn	11 16 18.5	-1.3
NLWA	Neilton Lookou	17.86	108	Iamb	11 17 10.1	-3.0
NLWA				Iamb	11 17 33.0	
	comp=N,1.3nm,1.4s					
GNW	Green Mountain	18.32	106	P	11 17 08.0	-1.0
YKA	Yellowknife Ar	18.70	55	P	11 17 13.8	+0.3
	comp=N,2.1nm,1.1s					
H04A	Detroit Lake	20.52	112	P	11 17 32.8	-2.5
H04A				Iamb	11 17 37.7	
	comp=N,2.6nm,1.0s					
D08A	Wollman Farm,	20.75	103	P	11 17 35.7	-2.2
I04A	Tendick Farm,	21.02	114	P	11 17 36.6	-1.9
I04A				Iamb	11 17 41.0	
	comp=N,2.16nm,1.4s					
N15W	Newport	21.05	98	LR	11 24 18.7	
	comp=N,5.1nm,20.7s,baz=280,slo=33					
DBO	Dodson Butte	21.08	117	P	11 17 37.4	-1.9
DBO				Iamb	11 18 12.9	
	comp=N,8.5nm,1.3s					
SHEM	Shemys Is, Ala	21.42	277	LR	11 24 51.9	
	comp=N,3.8nm,20.7s,baz=319,slo=24					
E09A	Wood Farm, Sta	21.50	103	P	11 17 40.4	-3.2
E09A				Iamb	11 18 03.8	
	comp=N,4.9nm,1.3s					
PINE	Pine Mountain	21.78	112	P	11 17 45.0	-1.9
J05D	Fort Rock, OR	21.98	113	P	11 17 48.3	-0.8
J05D				Iamb	11 17 54.9	
	comp=N,1.1nm,1.4s					
YBH	Yreka Blue Hor	22.37	118	LR	11 24 20.1	
	comp=N,1.24nm,19.3s,baz=350,slo=31					
PETK	Petropavlovsk-	30.26	287	LR	11 29 28.7	
	comp=N,3.7nm,21.8s,baz=63,slo=35					
M2K	Magadan	31.21	302	LR	11 33 36.1	
	comp=N,5.8nm,18.8s,baz=82,slo=40					
YAK	Yakutsk	39.58	313	LR	11 37 41.8	
	comp=N,5.7nm,18.1s,baz=292,slo=38					
H11N2	WAKE ISLAND Hy	48.74	240	T	12 14 10.5	
	comp=N,3.1nm,18.1s,baz=82,slo=40					
H11N3	WAKE ISLAND Hy	48.74	240	T	12 14 11.1	
	comp=N,3.1nm,18.1s,baz=82,slo=40					
H11N1	WAKE ISLAND Hy	48.74	240	T	12 14 12.6	
	comp=N,3.1nm,18.1s,baz=82,slo=40					
H11S1	WAKE ISLAND Hy	49.81	240	T	12 15 33.4	
	comp=N,3.0nm,18.1s,baz=82,slo=40					
H11S2	WAKE ISLAND Hy	49.81	240	T	12 15 34.5	
	comp=N,3.0nm,18.1s,baz=82,slo=40					
H11S3	WAKE ISLAND Hy	49.90	240	T	12 15 36.9	
	comp=N,3.0nm,18.1s,baz=82,slo=40					
S0NM	Songino Array	58.83	310	P	11 22 54.8	+1.4
	comp=N,2.3nm,0.5s,baz=81,slo=4.7,SNR=4.6					
	comp=N,2.3nm,0.5s					
ZALV	Zalesovo Beam	61.81	327	P	11 23 13.7	+0.2
	comp=N,0.5nm,0.5s,baz=316,slo=8.2,SNR=3.9					
	comp=N,0.5nm,0.5s					
MKAR	Makanchi Array	68.83	325	P	11 23 59.6	+0.5
	comp=N,0.2nm,0.5s,baz=22,slo=7.2,SNR=4.8					
	comp=N,0.2nm,0.5s					
AKASG	Main Array B	73.67	1	P	11 24 27.9	-0.3
	comp=N,0.6nm,0.6s,baz=4.3,slo=6.5,SNR=2.4					
	comp=N,0.5nm,0.6s					
ESDC	Sonsec Array	80.25	26	P	11 25 08.1	+2.5
	comp=N,0.2nm,0.7s,baz=334,slo=4.4,SNR=4.4					
	comp=N,0.2nm,0.7s					
BRTR	Keskin Array B	84.62	358	P	11 25 30.4	+1.9
	comp=N,0.4nm,0.8s,baz=358,slo=3.4,SNR=2.4					
	comp=N,0.4nm,0.8s					
CMAR	Chiang Mai Arr	86.42	298	P	11 25 39.2	+1.6
	comp=N,0.3nm,0.4s,baz=4.1,slo=4.9,SNR=4.7					
	comp=N,0.3nm,0.4s					
QSPA	South Pole Qui	145.78	10	PKPbc	11 32 31.8	-1.3
	comp=N,2.0nm,0.3s,baz=102,slo=2.9,SNR=4.8					

ISK 01 11:40:03.2,34.65N,23.88E, h5km, ML4.4/22
 IDC 01 11:40:03.1,0.5,34.72N,23.86E, h0km, mb4.5/26,
 mbmp4.5/38,ML4.4/11,MS4.1/25, Error ellipse:
 s-maj=12.2km s-min=10.6km az=162.0
 MCSM 01 11:40:03.7,0.6,34.7N,23.4E, h9km,3km,mb4.7,mb4.6,
 MLv5.1,Mw(mB)3.8
 MOS 01 11:40:03.7,1.2,34.68N,23.82E, h13km,mb4.9/39, Error
 ellipse: s-maj=4.2km s-min=2.3km az=96.2
 ATH 01 11:40:04.9,34.63N,23.81E, h12km,2km,ML4.6/5, Error
 ellipse: s-maj=4.1km s-min=1.9km az=30.0
 THE 01 11:40:04.9,34.63N,23.82E, h10km,1km,ML4.7/4, Error
 ellipse: s-maj=1.9km s-min=1.1km az=14.0
 GII 01 11:40:04.4,0.0,34.477N,0.003,23.924E,0.001, h10km,
 confirmed
 NEIC 01 11:40:05.5,1.7,34.80N,0.07,23.86E,0.06, h10km,1km,
 mb4.9/96, Error ellipse: s-maj=12.7km s-min=7.9km
 az=164.0
 MED_RC 01 11:40:05.0,0.3,34.67N,23.68E, h20km,1km, MW4.8/30,
 Moment Tensor Solution, Mantle waves: s30,c39;
 Duration: 1s1 Moment tensor: Scale 10^18Nm;
 Mn=0.22±.09; M1=1.20±.08; M2=1.43±.07; M3=0.25±.11;
 M4=0.89±.06; M5=0.66±.11; Best double couple:
 M1: 1.740000e+18; M2: 2.980000e+18; M3: 0.660000e+18;
 M4: -1.175000e+18; M5: 0.800000e+18; Principal axes:
 P: 1.24,00000°; NP: 2.82,207°; N: 2.860000°;
 Azm25,0000°; N: -0.2300, Plg66,0000°; Azm22,0000°;
 P: -1.6200, Plg19,0000°; Azm160,0000°; nsta1 refers to
 body waves. nsta2 refers to surface waves, cutoff=35s.
 GCMT 01 11:40:05.5,0.4,34.67N,0.03,23.69E,0.02, h17km,1km,
 MW4.8/82, Moment Tensor Solution, s6,c6; s8,c2,i09;
 Duration: 0 Moment tensor: Scale 10^18Nm; M1=0.14±.07;
 M2=1.21±.06; M3=1.35±.07; M4=0.85±.21; M5=0.76±.06;
 M6=0.79±.20; Best double couple: M1: 8.770000e+17;
 NP1: 3.3030000e+18; NP2: 3.3030000e+18; NP3:
 3.2080000e+18; NP4: 3.3030000e+18; Principal axes:
 T: 1.7430, Plg19,0000°; Azm261,0000°; N: 0.2620000°;
 Plg54,0000°; Azm19,0000°; P: -2.0110, Plg30,0000°;
 Azm160,0000°; nsta1 refers to body waves, cutoff=40s.
 nsta2 refers to surface waves, cutoff=50s. Triangular
 moment-rate function
 PDG 01 11:40:09.2,1.0,34.57N,23.78E, h18km,13km, ML4.8/33
 Error ellipse: s-maj=4.3km s-min=2.1km az=90.0
 NAO 01 11:40:09.5,35.08N,24.47E, h33km,mb4.7
 ISC 01 11:40:09.5,35.08N,24.47E, h33km,mb4.7
 h13km, P-P, n676, i1968/697, mb4.9/117, MS4.2/23,
 SZC-25D, Brete

Code	Station Name	AZ	AZ'	Phase ID	Time	Res
GVD	Gavdhos	0.25	53	Op	11 40 11.3	-0.3
GVD	Gavdhos	0.25	53	P	11 40 11.3	-0.3
GVD				Sb	11 40 15.8	0.0
	330um,0.4s					
GVD	Gavdhos	0.25	53	P	11 40 11.4	-0.2
GVD				S	11 40 16.1	+0.4
KNDR	Palaoichora Ch	0.56	346	Pg	11 40 16.1	-0.2
KNDR				Sg	11 40 25.7	+1.0
KNDR	Palaoichora Ch	0.56	346	Pg	11 40 16.3	-0.0
KNDR				Sb	11 40 20.0	+1.3
KNDR				AML	11 40 27.0	
IMMV	lera Moni Meta	0.78	8	Pg	11 40 19.6	-0.8
IMMV				Sg	11 40 32.4	+1.4
IMMV	lera Moni Meta	0.78	8	P	11 40 20.1	-0.3
IMMV				Sb	11 40 32.7	+1.7
	65um,0.4s					
IMMV	lera Moni Meta	0.78	8	P	11 40 20.2	-0.1
IMMV				S	11 40 32.0	+1.0
IMMV				AML	11 40 33.0	
IMMV				AML	11 40 37.5	
	comp=N,97576um,0.5s					
CHAN	Chanina	0.84	11	P	11 40 21.4	-0.2
CHAN				AML	11 40 35.2	+0.3
CHAN				AML	11 40 35.9	
CHAN				AML	11 40 40.6	
TMBK	Timbaki Herakl	0.85	63	P	11 40 21.9	+0.1
PRNS	Prines Retaym	0.86	38	P	11 40 21.1	-0.9
PRNS				Sb	11 40 34.2	+0.8
PRNS				Sb	11 40 34.2	+0.8
IDI	Anoyia	1.04	55	Pg	11 40 24.3	-1.1
IDI	Anoyia	1.04	55	Pg	11 40 24.3	-1.1
IDI	Anoyia	1.04	55	Pg	11 40 39.6	+0.9
IDI	Anoyia	1.04	55	Pg	11 40 24.5	-0.9
IDI	Anoyia	1.04	55	Pg	11 40 40.7	+0.7
IDI	Anoyia	1.04	55	Pn	11 40 24.2	-1.3
	comp=N,101nm,0.3s,baz=239,slo=16,SNR=255					
IDI	Anoyia	1.04	55	Pg	11 40 38.4	-0.7
IDI				LR	11 41 03.4	
IDI	Anoyia	1.04	55	P	11 40 24.6	-0.9
IDI	Anoyia	1.04	55	P	11 40 39.7	+0.9
IDI				Sb	11 40 37.1	
IDI				AML	11 40 49.7	
	comp=N,13554um,0.4s					
IDI				AML	11 40 52.3	
IACM	Heraklion	1.18	58	P	11 40 27.1	-0.3
IACM				S	11 40 44.0	+0.8
	comp=N,54um,0.9s					
ANKY	Antikythira Is	1.26	339	P	11 40 28.4	-0.1
ANKY				Sg	11 40 46.2	+0.3
ANKY				S	11 40 28.9	-0.6
ANKY				AML	11 40 46.2	+0.3
ANKY				AML	11 40 51.2	
	comp=N,23732um,0.6s					
ANKY				AML	11 40 54.0	
	comp=N,26678um,0.7s					
ZAKS	Zakros	1.99	77	Pn	11 40 38.9	+0.3
ZKR	Zakros	1.99	77	Pn	11 40 42.0	+0.6
YER	Yeliali	2.35	340	P	11 40 44.4	+0.3
APE	Apeiranthos	2.74	29	Pn	11 40 50.5	+1.6
APE	Apeiranthos	2.74	29	Pn	11 40 50.5	+1.6
APE	Apeiranthos	2.74	29	Pn	11 40 50.5	+1.6
KARP	Karpathos	2.85	72	Pn	11 40 51.2	+0.9
KARP	Karpathos	2.85	72	Pn	11 40 51.2	+0.9
KARP	Karpathos	2.85	72	Pn	11 40 52.4	+2.0
ITM	Ithomi	2.93	328	Pn	11 40 50.7	-0.8
ITM	Ithomi	2.93	328	Pn	11 40 53.8	+2.3
ATH	Athens Observa	3.28	358	P	11 40 58.0	+1.8
SLUM	Salm	3.39	160	P		

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Main table of station data with columns for station ID, name, coordinates, and various parameters. Includes stations like B20K Meade River, D27M Malcom River, and many others.

BJI 01 11:54:56.1,5:07N;94:52E, h38km, mb5.2/27, mb5.1/75, Ms4.6/22, Ms7.4/31
MOS 01 11:54:59.7,0.9:5.47N,94:61E, h43km, mb5.3/80, Error ellipse: s-maj=7.8km s-min=3.7km az=114.4
NEIC 01 11:55:02.5,5:38N;94:57E, h60km
IDC 01 11:55:02.4,0.6:5.46N;94:66E, h52km, mb4.6/35, mbtmp4.9/38, MS4.0/41, Error ellipse: s-maj=12.6km s-min=10.4km az=30.0
NEIC 01 11:55:02.5,4:98N;94:37E, h60km, Moment Tensor Solution. Duration: 1s3 Moment tensor: Scale 10^16Nm; Mn:1.88; Mw:0.34; Mv:1.54; Mw:0.95; Mw:1.41; Ms:0.65; Fault plane solution: Ms2.48000x10^16 Np1; q1:342.74000; q2:380000; r:115.10000; NP2; q3:133.27000; s59.59000; r:74.04000; Principal axes: T 2.2376, P1g71.0000; Azm7.0000; N 0.4883, P1g14.0000; Azm142.0000; P -2.7260, P1g13.0000; Azm235.0000; DJA 01 11:55:02.2,0.3:5.1N;3:9:5E, h50km, mb4.5/249, mb5.7/12, mb5.1/49, MLV5.2/17, Mw4.9/67, Mw(mb)5.2/12
NEIC 01 11:55:02.2,1.9:5.38N;94:56E, h44km, mb4.4km, mb5.2/132, Mw4.9/11, Error ellipse: s-maj=10.6km s-min=9.0km az=89.0
GCMT 01 11:55:03.2,0.3:5.29N;0:02:94:55E;0:02:49km,1km, Mw5.0/89, Moment Tensor Solution. s45,c58; s89,c118; Duration: 0 Moment tensor: Scale 10^16Nm; Mr:2.85; Ms:1.29; Mw:1.1; Mw:1.53; Mw:1.53; Mw:1.69; Mw:1.69; Mw:0.98; Mw:0.98; Best double couple: Ms3.49000x10^16 Np1; q1:326.00000; q2:300000; r:105.00000; NP2; q3:129.00000; s61.00000; s82.00000; Principal axes: T 3.3930, P1g73.0000; Azm19.0000; N 0.2120, P1g7.0000; Azm133.0000; P -3.6040, P1g15.0000; Azm225.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 01 11:55:02.0,0.3:5.35N;0:04:94:84E;0:04:h52km,2km, h52km;pp-P,n87s,r1913/912,mb5.1/235,MS4.2/51, 76C-12D, Northern Sumatara

Code Station Name Az Az' Phase ID Time Res Code Station Name Az Az' Phase ID Time Res. Includes stations like BSI Banda Aceh, CMBY CAMPBELL BAY, MLSI Meulaboh, Aceh, LHMI Lhok Sumawe, etc.

1d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kayak Island, Mount Dempster, Peel River, Barlow Dome, etc.

1d 12:12:22.9, 3.4, 54.85N, 166.57E, h142km, MLV3.7/9, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mare, Loyalty, Devils Point, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cerrillos, Magueyes Island, Cabo Rojo, etc.

BUI 01 12:25:32.4, 10.50S:108.50E, h8km, mB5.3/10, mB4.8/39

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cimerak, Christmas Isla, etc.

ISC 01 12:25:34.0, 0.3, 10.50S:104.108.52E:0.04, h10km, m253, i126/243, mB4.9/78, MSZ.9/29, 1D, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Lembang, Semarang, etc.

1d 12:12:22.9, 3.4, 54.85N, 166.57E, h142km, MLV3.7/9, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Bulukumba, Batu Buton, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kota Kinabalu, Mahadatu, etc.

TARG	Taragay, Kyrgy	59.14 334	P	P	12 35 36.0 +0.5
TARG	comp=Z,8.7nm,0.8s		Iamb	Iamb	12 35 44.8
SHLS	Shalkode	59.62 336	eP	P	12 35 38.0 -0.4
ABPO	Abmohimpanom	59.63 254	P	P	12 35 37.9 -1.2
ABPO	comp=Z,26nm,1.6s		Iamb	Iamb	12 37 33.3
H04N2	CROZET ISLANDS	59.65 222	T	T	13 40 26.8
H04N1	CROZET ISLANDS	59.67 222	T	T	13 40 31.4
H04N3	CROZET ISLANDS	59.67 222	T	T	13 40 28.5
UZB	Uzymbulak	59.79 335	eP	P	12 35 40.4 +0.7
SATY	Saty	59.97 335	eP	P	12 35 41.5 +0.7
ZHN	Zhinshke	60.05 335	eP	P	12 35 41.9 +0.6
KPKS	Kokpek	60.19 335	eP	P	12 35 42.8 +0.5
TNSS	Tian-Shan	60.57 334	eP	P	12 35 45.6 +0.2
MDOK	Medeo	60.63 334	eP	P	12 35 46.0 +0.6
AAA	Alma-Ata	60.73 334	eP	P	12 35 46.6 +0.6
GAR	Garm	60.74 326	P	P	12 35 46.1 -0.1
GAR	comp=Z,1.7nm,1.0s		Iamb	Iamb	12 35 47.5
TKM2	Tokmak 2	61.08 333	P	P	12 35 49.1 +0.6
CHGR	Chuyangarak	61.13 325	P	P	12 35 49.2 +0.4
KBK	Karagaybulak	61.16 332	P	P	12 35 50.1 +1.1
SMJ	Smiganj	61.22 325	P	P	12 35 48.8 -0.7
SMJ	comp=Z,20nm,1.6s		Iamb	Iamb	12 35 49.5
AML	Almayushy	61.34 331	P	P	12 35 50.7 +0.1
AAK	Ala-Archa	61.36 332	LR	LR	12 35 51.5 +1.2
AAK	comp=Z,96nm,18.1s,baz=64,slo=40		LR	LR	13 05 55.3
ZSN	Zaisan	61.41 342	eP	P	12 35 51.5 +1.0
TDK	Taldygoghan	61.57 336	eP	P	12 35 52.0 +0.5
TKM3	Makanchi Array	61.66 340	P	P	12 35 52.8 +0.6
TKM3	comp=Z,12nm,0.7s		Iamb	Iamb	12 35 53.7
MKAR	Makanchi Array	61.66 340	P	P	12 35 53.1 +0.9
MKAR	comp=Z,16nm,0.6s,baz=141,slo=7.8,SNR=220		LR	LR	13 05 43.5
EKS2	Erkin-Say	61.71 331	P	P	12 35 53.7 +1.0
MAKZ	Makanchi	61.78 340	P	P	12 35 53.1 +0.1
MAKZ	comp=Z,6.0nm,0.9s		Iamb	Iamb	12 35 54.6
USP	Ospenovka	61.84 332	P	P	12 35 53.7 +0.2
UOSS	Minazif	61.97 306	P	P	12 35 55.6 +0.9
UOSS	comp=Z,8.7nm,1.1s		Iamb	Iamb	12 36 28.7
ASAJ	Asahikawa	62.54 27	LR	LR	13 04 39.9
ASAJ	comp=Z,4.7nm,18.5s,baz=246,slo=38		LR	LR	13 04 39.9
HEH	Heihe	62.71 14		pmx	12 35 58.4 -0.6
HEH	comp=Z,10.0nm,1.2s				
INZ	Inchbonnie	63.12 133	P	P	12 36 01.9 -0.2
IUG	Iuzhnyy	63.16 329	eP	P	12 36 02.8 +0.4
CHM	Chimkent	63.50 329	eP	P	12 36 05.0 +0.0
CHM	comp=Z,5.9nm,0.9s				
KK31	Karatay Array	63.62 330	P	P	12 36 05.4 +0.1
KKAR	Karatay Array	63.62 330	P	P	12 36 05.1 -0.2
MFRZ	Matarai Terra	63.85 131	P	P	12 36 06.9 -0.1
BRLS	Borolday	64.01 319	P	P	12 36 07.0 -0.2
THZ	Tophouse	64.01 314	P	P	12 36 07.3 -0.8
THZ	comp=Z,2.7nm,1.4s		Iamb	Iamb	12 38 09.8
MAW	Mawzy	64.49 198	LR	LR	12 58 38.3
MAW	comp=Z,92nm,19.5s,baz=57,slo=31		LR	LR	12 58 38.3
KHB	Kahutara	64.58 132	P	P	12 36 11.4 -0.3
KURB	Kurchatov Arra	66.23 340	P	P	12 36 22.7 +0.6
KURB	comp=Z,9.0nm,0.7s,baz=149,slo=6.1,SNR=112				
KURK	Kurchatov	66.28 340	P	P	12 36 22.9 +0.6
BKZ	Black Stump Fm	66.39 128	P	P	12 36 23.6 0.0
BKZ	comp=Z,9.8nm,0.8s		Iamb	Iamb	12 36 32.8
RTZ	Ruatahuna	66.71 128	P	P	12 36 25.6 -0.1
URZ	Urewera	66.78 127	LR	LR	13 07 29.1
URZ	comp=Z,7.4nm,19.0s,baz=340,slo=38		LR	LR	13 07 29.1
ZAA0	Zalesovo Array	67.27 345	P	P	12 36 28.1 -0.6
ZAA0	comp=Z,5.9nm,1.0s		Iamb	Iamb	12 36 29.0
ZALV	Zalesovo Beam	67.27 345	P	P	12 36 27.7 -0.9
ZALV	comp=Z,2.5nm,0.7s,baz=139,slo=5.7,SNR=18				
ZALV	Zalesovo Beam	67.27 345	P	P	12 36 28.4 -0.2
ZALV	comp=Z,7.6nm,18.0s,baz=155,slo=41		LR	LR	13 11 54.2
BRZS	Berezniiki	67.89 336	eP	P	12 36 33.4 +0.7
BRZS	comp=Z,3.8nm,0.8s				
RAYN	Ar Rayn	70.26 300	P	P	12 36 48.0 0.0
RAYN	comp=Z,5.3nm,0.8s		Iamb	Iamb	12 36 49.3
KIBK	Kibwezi	70.38 271	P	P	12 36 50.0 +1.0
KIBK	comp=Z,9.7nm,0.6s		Iamb	Iamb	12 36 09.8
BVAR	Borovyoye Array	71.15 337	P	P	12 36 53.4 +0.6
BVAR	comp=Z,1.6nm,0.8s,baz=143,slo=8.0,SNR=63				
BVAR	Borovyoye	71.22 337	P	P	12 36 53.9 +0.7
BVAR	comp=Z,13.7nm,19.4s,baz=13,slo=42		LR	LR	13 15 44.2
BRVK	Brvok	71.22 337	P	P	12 36 53.9 +0.7
BRVK	comp=Z,1.5nm,1.1s		Iamb	Iamb	12 36 54.9
KMBO	Kilima Mbogo	71.38 272	P	P	12 36 55.3 0.0
KMBO	comp=Z,2.7nm,0.8s,baz=58,slo=8.1,SNR=8.1				
KMBO	Kilima Mbogo	71.38 272	P	P	12 36 58.0 +2.7
KMBO	comp=Z,2.7nm,0.8s,baz=92,slo=30		LR	LR	13 01 54.6
VNDA	Vanda	72.28 169	P	P	12 37 00.5 +1.3
VNDA	comp=Z,1.7nm,1.7s		Iamb	Iamb	12 38 25.1
VNDA	Vanda	72.28 169	P	P	12 37 00.7 +1.5
VNDA	comp=Z,1.5nm,0.5s,baz=322,slo=6.1,SNR=20				
ABKAR	Akbulaik array	73.16 329	P	P	12 37 05.7 +0.8
ABKAR	comp=Z,1.0nm,0.9s		Iamb	Iamb	12 37 06.1
LODK	Lodwar	74.11 277	P	P	12 37 10.8 -0.6
YAK	Yakutsk	74.17 10	P	P	12 37 09.8 -0.6
YAK	comp=Z,1.5nm,18.0s,baz=168,slo=42		LR	LR	13 11 46.7
PEA0B	Petropavlovsk-	75.92 28	P	P	12 37 20.7 -0.1
PETK	Petropavlovsk-	75.92 28	LR	LR	13 11 34.9
MA2	Magadan	77.60 21	P	P	12 37 30.4 +0.2
MA2	comp=Z,1.9nm,0.5s,baz=146,slo=4.7,SNR=4.9				
MA2	Magadan	77.60 21	P	P	13 10 09.8
MA2	comp=Z,4.0nm,20.6s,baz=233,slo=37		LR	LR	13 07 26.7
LSZ	Lusaka	78.07 257	P	P	12 37 33.9 -0.1
LSZ	comp=Z,4.9nm,19.2s,baz=68,slo=32		Iamb	Iamb	12 37 37.3
ARTI	Arti	78.45 334	P	P	12 37 35.7 +0.7
ARTI	comp=Z,1.0nm,0.9s		Iamb	Iamb	12 37 36.0
GURI	Guroymak-BITLI	78.73 313	P	P	12 37 37.6 +0.4
BOSA	Boshof	79.18 243	P	P	12 37 40.7 +0.8
BOSA	comp=Z,4.4nm,1.7s		Iamb	Iamb	12 37 55.3
BOSA	Boshof	79.18 243	P	P	12 37 42.0 +2.1
BOSA	comp=Z,3.2nm,0.9s,baz=219,slo=7.2,SNR=3.0		LR	LR	13 05 43.6
LBTB	Lobatse	79.28 246	LR	LR	13 06 02.4
LBTB	comp=Z,2.23nm,19.3s,baz=74,slo=30		LR	LR	13 06 02.4
QSPA	South Pole Qui	79.52 180	P	P	12 37 40.5 -0.4

QSPA	comp=Z,1.4nm,1.6s		Iamb	Iamb	12 37 51.5
QSPA	South Pole Qui	79.52 180	P	P	12 37 42.1 +1.1
QSPA	comp=Z,1.7nm,0.8s,baz=299,slo=1.6,SNR=6.6		LR	LR	13 08 02.0
KBZ	Khabaz	80.23 318	P	P	12 37 46.3 +1.4
KBZ	comp=Z,6.8nm,0.9s,baz=156,slo=5.4,SNR=9.7				
SEY	Seymchan	80.59 19	P	P	12 37 45.7 -0.8
SEY	comp=Z,1.5nm,0.5s,baz=232,slo=5.1,SNR=5.4				
NR1K	Noril'sk	80.98 353	P	P	12 37 48.2 -0.2
NR1K	comp=Z,9.0nm,0.9s		Iamb	Iamb	12 37 49.2
NR1K	Noril'sk	80.98 353	P	P	12 37 48.4 -0.1
NR1K	comp=Z,6.7nm,1.0s,baz=131,slo=3.2,SNR=14				
MMAI	Mount Meron Ar	81.84 306	P	P	12 37 55.7 +1.7
MMAI	comp=Z,7.1nm,0.6s,baz=95,slo=7.6,SNR=9.4				
SUR	Sutherland	82.54 239	LR	LR	13 08 28.0
SUR	comp=Z,1.18nm,19.8s,baz=152,slo=31		LR	LR	13 08 28.0
TIXI	Tiksi	83.08 6	P	P	12 37 59.2 -0.2
TIXI	comp=Z,9.9nm,0.8s		Iamb	Iamb	12 38 00.1
SHEM	Shemys Is, Ala	84.05 34	LR	LR	13 18 38.6
SHEM	comp=Z,20nm,18.0s,baz=291,slo=38		LR	LR	13 18 38.6
CSS	Mathiasis	84.07 307	P	P	12 38 06.2 +0.8
CSS	comp=Z,2.7nm,0.8s				
BR104	Keskin Array S	85.25 312	P	P	12 38 11.8 +0.4
BR104	comp=Z,85nmcomp=Z,12nm,0.8s				
BR131	Keskin Array S	85.26 312	P	P	12 38 12.3 +0.9
BR131	comp=Z,1.1nm,0.7s		Iamb	Iamb	12 38 13.4
BRTR	Keskin Array B	85.26 312	P	P	12 38 12.2 +0.8
BRTR	comp=Z,6.8nm,0.6s,baz=140,slo=6.8,SNR=55				
BR10S	Keskin Array S	85.27 312	P	P	12 38 12.1 +0.6
BR10S	comp=Z,6.8nm,0.6s				
BR106	Keskin Array S	85.28 312	P	P	12 38 12.2 +0.7
BR106	comp=Z,103nmcomp=Z,1.1nm,0.9s				
ANTO	Ankara	85.92 312	P	P	12 38 14.4 -0.3
ANTO	comp=Z,3.5nm,0.7s				
BR231	Keskin MP Arra	85.93 312	P	P	12 38 15.3 +0.6
BR231	comp=Z,7.0nm,0.8s		Iamb	Iamb	12 38 16.6
TSUM	Tsumba	87.48 251	LR	LR	13 10 16.9
TSUM	comp=Z,84nm,20.8s,baz=157,slo=31		LR	LR	13 10 16.9
KARP	Karpathos	89.10 306	P	P	12 38 30.3 +0.3
KARP	comp=Z,2.4nm,0.6s,baz=90,slo=4.4,SNR=7.2				
BELA	Belgrano 2	89.40 107	P	P	12 38 31.3 +0.7
BELA	comp=Z,1.2nm,0.6s		Iamb	Iamb	12 38 31.5
AK09	Malin Array Si	91.29 321	P	P	12 38 39.6 -0.2
AK10	Malin Array Si	91.30 321	P	P	12 38 39.7 -0.2
AKASO	Malin Array Be	91.35 321	P	P	12 38 40.0 -0.1
AKASO	comp=Z,4.0nm,0.9s,baz=92,slo=4.4,SNR=7.2				
MLR	Muntele Rosu	92.25 316	P	P	12 38 45.1 +0.5
MLR	comp=Z,3.5nm,0.9s,baz=133,slo=5.9,SNR=4.4				
FINES	FINESS Array B	95.54 331	P	P	12 38 59.6 +0.5
FINES	comp=Z,4.0nm,0.9s				
ARCES	ARCES Array B	97.32 339	P	P	12 39 07.1 +0.1
ARCES	comp=Z,4.0nm,0.9s,baz=64,slo=2.8,SNR=4.5				
ARCES	ARCES Array B	97.32 339	LR	LR	13 31 00.9
ARCES	comp=Z,1.78nm,19.6s,baz=221,slo=40		LR	LR	13 31 00.9
ILAR	Eielson Array	105.65 26	PKKPbc	PKKPbc	12 55 22.6 -1.4
ILAR	comp=Z,0.4nm,0.7s,baz=55,slo=1.3,SNR=4.7				
TORD	Torodi Ar. Bea	108.55 280	PKKIP	PKKIP	12 44 05.0 +0.9
TORD	comp=Z,0.5nm,0.6s,baz=51,slo=1.9,SNR=4.4				
YKA	Yellowknife Ar	119.58 21	PKP	PKKIP	12 44 24.3 +0.4
YKA	comp=Z,0.6nm,0.6s,baz=327,slo=2.2,SNR=12				
SCHO	Schofield	135.62 36	PKP	PKKIP	1

1d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like ASAR Alice Springs, IGHG Ghaleghazi, KCHF Cheshme Sefid, etc.

JMA 01 12:37:27.20.1,39.2N;0.2:142.4E;0.6,h45km,MV3.5/36, E OFF IWATE PREF

ICD 01 12:37:28.4:3.1,39.21N;142.44E,h58km,29km,mb3.2/6, mbmp3.4/8,ML3.0/2,Error ellipse: s-maj=30.9km, s-min=19.0km az=95.0

ISC 01 12:37:26.9.2.0,39.23N;0.06:142.5E;0.1,h42km,18km, n25.0:64/26,mb3.5/6,10D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like MIYJ Miyakonagasaki, OFUJ Ofunato, JTH Tanohata, etc.

ASAJ Asahikawa 4.89 1 P Pn 12 38 38.2 +0.3

H1N2 WAKE ISLAND Hy 28.64 126 T T 13 13 46.3

H1N1 WAKE ISLAND Hy 28.66 126 T T 13 14 02.4

H1N3 WAKE ISLAND Hy 28.66 126 T T 13 13 47.9

H1S1 WAKE ISLAND Hy 29.44 128 T T 13 14 48.6

H1S3 WAKE ISLAND Hy 29.42 128 T T 13 14 44.8

H1S2 WAKE ISLAND Hy 29.45 128 T T 13 14 46.1

ZALV Zalesovo Beam 41.09 311 P P 12 45 06.2 -0.2

MKAR Makanchi Array 43.70 300 P P 12 45 27.6 -0.1

KURBB Kurchatov Arra 45.35 306 P P 12 45 40.0 -0.8

ILAR Eielson Array 47.20 33 P P 12 45 55.8 +0.6

WRA Warramunga Arr 59.35 189 P P 12 47 24.0 -0.8

ASAR Alice Springs 63.08 189 P P 12 47 49.6 -0.4

ICD 01 12:38:09.3:2.4,54.22N;161.88W,h0km,mb3.7/6, mbmp3.6/8,ML3.1/2,Error ellipse: s-maj=57.0km s-min=21.7km az=167.0

AEIC 01 12:38:16.1:5.54:36N;0.06:161.74W;0.05,h26km,8km, Error ellipse: s-maj=8.6km s-min=4.0km az=191.0

NEIC 01 12:38:16.1:1.0,54:36N;0.04:161.70W;0.07,h31km,10km,mb3.7/18,ML3.5/12,ML3.3(AEIC),Error ellipse: s-maj=6.7km s-min=3.8km az=49.0

ISC 01 12:38:14.0:0.8,54.31N;0.07:161.52W;0.05,h23km,n92, 0:17/10,mb3.8/8,Alaska Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HAG Hague Volcano, PS4A Pavlov South-4, PS4B Pavlov South-1, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Q19K Cape Douglas, M14K Bethel, O18K Koktuh Hills, etc.

G21K Alakaket 12.87 15 Pn Pn 12 41 16.0 +0.9

E19K Redstone River 13.36 7 Pn Pn 12 41 22.8 +0.9

BCAR Beaver Creek A 13.48 42 Pn Pn 12 41 23.7 +0.1

O29M Mount Kennedy 13.78 55 Pn Pn 12 41 29.0 +1.2

M29M Somme Creek 14.55 47 Pn Pn 12 41 39.2 +0.9

BMAR Burnt Mountain 15.46 25 Pn Pn 12 41 49.9 -0.5

D23K Nanushuk River 15.55 15 Pn Iamb 12 42 01.4

C23K Pitkiilik River 16.36 14 Pn Pn 12 42 02.7 +0.9

C24K Franklin Bluff 16.54 16 Pn Pn 12 42 04.2 +0.1

G29M Pine Creek 16.98 33 Pn Pn 12 42 10.1 +0.4

C27K Jago River 17.39 21 Pn Pn 12 42 15.4 +0.6

G30M Taoh Zraii Nji 17.60 34 Pn Iamb 12 42 18.1 +0.5

H31M Peel River 17.64 39 Pn Pn 12 42 20.2 +2.2

F31M Tsigichtich Inuvik 18.66 34 P P 12 42 29.8 0.0

HOLB Holberg 20.61 86 P P 12 42 52.2 +0.9

A36M Sachs Harbour 23.52 28 Pn Iamb 12 43 24.2

PEA0B Petropavlovsk- 23.88 284 P P 12 43 25.0 -0.5

PETK Petropavlovsk- 23.88 284 P P 12 43 25.4 -0.1

YKA Yellowknife Arr 25.42 52 P P 12 43 39.8 +0.4

YHL Hebgan Lake 33.88 85 P P 12 44 51.5 +0.9

ULM Lac du Bonnet 39.12 68 P P 12 45 40.6 +1.4

ULM Lac du Bonnet 39.12 68 P P 12 45 39.4 +0.2

H1N2 WAKE ISLAND Hy 42.04 227 T T 13 30 52.6

H1N3 WAKE ISLAND Hy 42.05 227 T T 13 30 53.1

H1N1 WAKE ISLAND Hy 42.06 227 T T 13 30 52.4

EYMM Ely 42.79 69 P P 12 46 11.2 +1.6

H1S1 WAKE ISLAND Hy 43.21 227 T T 13 32 21.2

H1S2 WAKE ISLAND Hy 43.22 227 T T 13 32 19.9

H1S3 WAKE ISLAND Hy 43.23 227 T T 13 32 19.8

FINES FINES Array B 64.43 356 P P 12 48 46.5 -1.2

BVAR Borovoye Array 64.67 328 P P 12 48 47.9 -1.5

MKAR Makanchi Array 65.69 317 P P 12 48 55.8 -0.5

MKAR Makanchi Array 65.69 317 P P 12 48 54.5 -1.7

ABKAR Akbulak array 71.04 333 P P 12 49 29.1 -0.5

KRSC 01 12:38:20.2:1.2,55:28N;164.42E,h49km,25km,ML3.9

NEIC 01 12:38:22.1:5.55:7N;0.1:163.9E;0.2,h10km,2km, mb4.2/9,Error ellipse: s-maj=21.2km s-min=15.3km az=180.0

ICD 01 12:38:25.1:1.0,55:86N;163.28E,h0km,mb3.4/9, s-maj=33.4km s-min=17.2km az=153.0

ISC 01 12:38:22.6:0.7,55:47N;0.04:163.93E;0.05,h10km,n57, 0:19/15/9,mb3.6/14,Off east coast of Kamchatka

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Code Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like KBTR Krutoberegovo, KBTR Krutoberegovo, KBG Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like B20K Iamb, IMAR Indian Mountain, B21K Ikipikup River, etc.

H1N2 WAKE ISLAND Hy 35.76 175 T T 13 23 17.2

H1N3 WAKE ISLAND Hy 35.77 175 T T 13 23 17.6

H1N1 WAKE ISLAND Hy 35.77 175 T T 13 23 16.7

YKA Yellowknife Arr 39.88 46 P P 12 45 58.6 +2.7

KURBB Kurchatov Arr 48.48 302 P P 12 47 04.3 -0.7

KURBB Kurchatov Arr 48.48 302 P P 12 47 04.3 -0.7

MKAR Makanchi Array 49.14 296 P P 12 47 10.5 +0.4

LYMT Lyon Mountain 50.11 63 P P 12 47 17.3 -0.5

BVAR Borovoye Array 50.66 309 P P 12 47 21.7 +0.2

ABKAR Akbulak array 57.93 311 P P 12 48 12.2 -3.2

TXAR Lajitas Array 67.68 71 P P 12 49 18.2 -1.6

TXAR Lajitas Array 67.68 71 P P 12 49 25.1 +5.2

ASAR Alice Springs 82.89 208 P P 12 50 51.8 +4.7

ICD 01 12:41:50.5:1.1,61:35N;127.53E,h0km,mb3.9/6, mbmp3.9/7,ML4.4/1,Error ellipse: s-maj=45.6km s-min=17.4km az=59.0

NEIC 01 12:41:50.1:1.1,60:4N;0.09:127.4E;0.1,h10km,1km, mb4.3/14,Error ellipse: s-maj=21.0km s-min=9.9km az=52.0

ISC 01 12:41:54.9:0.7,59:00N;0.08:127.3E;0.1,h52km,n30, 0:23/31,mb4.2/13,Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like DAV Davao City (W), DAV Davao City (E), DAV Davao City (S), etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like BZGR, KLYUCHI, KRKR, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like ZALV, MAKZ, MAKZ, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like PS1A, PS1A, PS1A, etc.

IDC 01 13:34:50.3-0.4, 14:01N:144.83E, h186km, 3km, mb3.7/19, mtdmp4.2/19, Error ellipse: s-maj=17.6km s-min=11.9km

NEIC 01 13:34:51.1-2.0, 14:01N:144.77E, 0.2, h188km, 7km, mb4.5/41, Error ellipse: s-maj=21.1km s-min=15.3km

ISC 01 13:34:51.5-0.4, 13:99N:07.144.88E:0.10, h200km, n77, r16/74, mb4.3/47, 1C, Mariana Islands

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like GUMO, GUMO, GUMO, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like L04D, L04D, L04D, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like H19K, H19K, H19K, etc.

IDC 01 13:37:40.8-1.1, 56:37N:02:154:07W:0.05, h10km, 1km, Error ellipse: s-maj=4.7km s-min=3.5km az=127.0

AEIC 01 13:37:41.4-1.3, 56:32N:02:154:00W:0.09, h8km, 6km, ML3.6, ML3.7/46(NEIC), Error ellipse: s-maj=9.2km

s-rtn=3.2km az=128.0, IDC 01 13:37:42.5-3.4, 56:11N:154:06W, h39km, 23km, mb3.9/22, mbtdmp4.1/25, ML3.6/3, Error ellipse: s-maj=34.1km

s-min=17.6km az=161.0, ISC 01 13:37:41.3-0.6, 56:34N:006:153:96W:0.05, h24km, n122, r13/7116, mb4.2/21, Kodiak Island region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like GSTR, GSTR, GSTR, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like NEIC, AEIC, IDC, ISC, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, I, S, C. Includes stations like YKA, YKA, YKA, etc.

Table with columns: STKA, Stephens Creek, 38.53 241 P, P, 16 24 20.3 +0.2

BJI 01 16:25:31.0, 9.90Sx122.90E, h40km, mB5.1/10, mb4.6/56, Ms4.6/2, Ms7.4/4.3

Table with columns: Code, Station Name, A Z, Phase ID, Time, Res

Table with columns: Code, Station Name, A Z, Phase ID, Time, Res

Main table with columns: LBMI, Labuha, 10.18 29 P, Pn, 16 28 01.2 +2.6

Table with columns: KLBRR, Kellerberrin, 22.29 191 P, P, 16 30 28.1 +0.5

1d 16h

Table of satellite data for 1d 16h period, including columns for station name, frequency, polarization, and other parameters.

2025 JAN

Main table of satellite data for 2025 JAN, listing various stations like BVAR, BRVK, GSPA, etc., with their respective frequencies and polarizations.

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Table of satellite data for 36 stations, including stations like SAKB, IMEH, SHMA, etc., with their respective frequencies and polarizations.

Additional text providing specific details and notes for the satellite data, including station names and coordinates.

WSAR	0.9nm,0.3s,baz=329,slow=4.8,SNR=14	S _n	Sn	16 43 01.2	-6.7
JMDO	3.6nm,0.3s,baz=141,slow=22,SNR=5.3	S	Pn	16 41 33.8	+2.9
JMDO	5.3nm,0.4s	S	Pn	16 43 11.1	-4.3
ISFR	Strayin	9.50	35	16 41 35.1	+1.4
IACL	Akheilmad	9.58	39	16 41 36.2	+1.7
IHR	Hertis	9.58	340	16 41 36.0	+1.3
NGCH	Negor - Chabab	9.64	112	16 41 37.1	+1.7
WBK	Wadi Bani Khal	9.67	132	16 41 37.2	+1.4
WBK	WBK	9.67	132	16 41 37.2	+1.4
SRVN	Saravan	10.00	99	16 43 21.2	-3.0
IKRD	Kardeh	10.11	41	16 41 44.2	+2.4
IMYA	Miami	10.16	45	16 41 44.6	+2.0
JLN	Jalan Bani Buh	10.28	133	16 41 45.9	+1.8
JLN	JLN	10.28	133	16 43 33.7	-5.5
MHTO	MHTO	10.33	143	16 41 46.0	+1.2
MHTO	MHTO	10.33	143	16 43 35.0	-5.3
SIRT	Sirkam	10.95	320	16 41 51.4	-1.9
DOM	DOM	11.00	147	16 41 54.9	+0.5
DOK	Doka	11.03	166	16 41 54.5	+0.1
GEVA	Gevas	11.21	325	16 41 56.5	-0.6
GEVA	GEVA	11.21	325	16 44 00.4	-1.9
MARD	Mardin	11.80	315	16 42 03.0	-2.1
GURO	Guroymak-BITLI	11.93	322	16 42 05.0	-1.7
GNI	Garni	12.00	335	16 47 23.4	
DMTO	DMTO	12.09	163	16 42 08.4	-0.6
DMTO	DMTO	12.09	163	16 44 10.0	-5.6
ABTO	Aybut	12.12	171	16 42 09.0	-0.4
RBK	Rabkut	12.13	167	16 42 09.5	0.0
AKT	Akhty	12.41	348	16 42 14.9	+1.6
ASF	Jabal al Asfar	12.67	286	16 42 15.7	-1.2
ASF	ASF	12.67	286	16 44 29.9	-7.9
ASF	ASF	12.67	286	16 46 08.6	
ASF	ASF	12.67	286	16 47 41.6	
GHJL	Ghor Haditha	13.70	282	16 42 30.9	+0.1
BALJ	Balqa	13.71	285	16 42 27.4	-3.7
KOPT	Kop Dag	13.81	323	16 42 30.8	-1.9
MMAI	Mount Meron Ar	14.05	289	16 42 34.9	-0.9
MMAI	MMAI	14.05	289	16 45 05.0	-6.5
MMAI	MMAI	14.05	289	16 46 50.3	
MMAI	MMAI	14.05	289	16 49 04.0	
EIL	Eilat	14.21	275	16 42 37.1	-0.8
EIL	EIL	14.21	275	16 45 16.1	+0.8
EIL	EIL	14.21	275	16 48 30.3	
BCA	Borcka	14.36	329	16 42 42.2	+2.2
NCK	Nalchik	15.37	338	16 42 55.7	+2.2
KBZ	Khabaz	15.80	337	16 43 01.4	-1.4
KBZ	KBZ	15.80	337	16 50 12.1	
KBZ	KBZ	15.80	337	16 43 00.7	+1.6
KBZ	KBZ	15.80	337	16 43 02.2	+1.1
KBZ	KBZ	15.80	337	16 43 06.9	+2.2
KBZ	KBZ	15.80	337	16 43 02.2	+1.1
KVAR	Kislovodsk Arr	16.07	337	16 43 04.9	-1.1
KIV	Kislovodsk	16.08	337	16 43 03.2	+0.5
KIV	Kislovodsk	16.08	337	16 43 07.6	+1.6
KIV	Kislovodsk	16.08	337	16 43 05.3	-0.8
KIV	Kislovodsk	16.08	337	16 43 04.6	+1.9
KIV	Kislovodsk	16.08	337	16 43 06.4	+0.3
KIV	Kislovodsk	16.08	337	16 43 06.5	+3.8
CSS	Mathiatis	16.17	295	16 43 03.7	-0.2
CSS	CSS	16.17	295	16 43 14.3	
VSLR	Vesolyolye	16.68	330	16 43 12.4	-0.3
GOF	Gofitskye	16.95	340	16 43 16.7	+1.1
KIRS	Kirsheir-Merke	17.30	309	16 43 19.2	0.0
SIMJ	Simigjan	17.35	53	16 43 16.1	-2.9
CHGR	Chuyangaron	17.46	53	16 43 17.6	-2.6
CHGR	CHGR	17.46	53	16 43 32.3	
CHGR	CHGR	17.46	53	16 43 17.6	-2.6
BR131	Keskin Array S	17.78	310	16 43 23.9	+0.4
BR131	Keskin Array S	17.78	310	16 43 24.6	+0.3
BR131	Keskin Array B	17.78	310	16 43 24.6	+0.3
BR131	Keskin Array B	17.78	310	16 43 24.6	+0.3
GAR	Garm	18.42	54	16 43 30.0	-2.0
GAR	GAR	18.42	54	16 43 33.7	
ANTO	Ankara	18.42	309	16 43 31.3	-0.7
ANTO	ANTO	18.42	309	16 43 31.3	-0.7
ANTO	ANTO	18.42	309	16 43 33.2	+1.2
ILGA	Ilgaz	18.43	314	16 43 27.5	-4.7
ILGA	ILGA	18.43	314	16 43 44.2	
NIL	Nilore	19.21	72	16 43 38.9	-1.8
NIL	NIL	19.21	72	16 43 45.1	
NIL	NIL	19.21	72	16 43 38.9	-1.8
ATD	Arta Tunnel	19.42	206	16 43 42.6	-0.4
ATD	ATD	19.42	206	16 43 48.9	
ATD	ATD	19.42	206	16 43 42.9	-0.2
ATD	ATD	19.42	206	16 52 01.8	
MDUB	Mudurnu	20.73	309	16 43 44.6	-2.3
BORA	Borcka	20.93	307	16 43 49.9	+0.3
SIM	Simferopol'	20.63	324	16 43 57.2	+1.2
SIM	SIM	20.63	324	16 47 44.6	-1.4
SIM	SIM	20.63	324	16 43 57.2	+1.2
SIM	SIM	20.63	324	16 43 57.2	+1.2
ABKAR	Akbulak array	20.92	16	16 43 58.8	-0.3
ABKAR	ABKAR	20.92	16	16 44 00.8	
YLV	Yalova	21.07	308	16 44 02.0	+1.1
AKTO	Aktyubinsk	21.64	12	16 44 07.5	+0.7
AKTO	AKTO	21.64	12	16 44 07.5	+0.7
KSH	Kashi	22.68	57	16 44 14.1	-4.1
KSH	KSH	22.68	57	16 44 16.9	-5.6

KSH	KSH	22.68	57	16 44 14.1	-4.1
KSH	KSH	22.68	57	16 44 16.9	-5.6
AAK	Ala-Archa	22.89	48	16 44 19.4	-1.1
AAK	AAK	22.89	48	16 44 30.1	
AAK	Ala-Archa	22.89	48	16 53 39.2	
AAK	Ala-Archa	22.89	48	16 44 23.5	+3.1
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.2	+1.8
AAK	Ala-Archa	22.89	48	16 44 20.2	-0.4
AAK	Ala-Archa	22.89	48	16 48 29.0	-1.2
AAK	Ala-Archa	22.89	48	16 44 22.	

Error ellipse: s-maj=3.6km s-min=2.5km az=140.0
AEC1 01:17:48:26.0.7,61.52N,0.02:149.92W,0.04,h39km,4km,
ML3.7,mb4.2/12(NEIC),ML3.9/12(NEIC),Error ellipse:
s-maj=3.7km s-min=0.4km az=136.0
ISC 01:17:48:26.0.7,61.52N,0.02:149.94W,0.02,h43km,6km,
n317,0.088/303,mb4.0/19,Southern Alaska

Table with columns: Code, Station Name, Az, Phase, Op, ISC, Time, Res. Includes stations like Willow, Palmer, Rabbit Creek A, etc.

Table with columns: KLU, IAML, 17 49 27.3, etc. Includes stations like Klutina, Thorofore Moun, TRF, etc.

Table with columns: M26K, IAML, 3.40 72, etc. Includes stations like Nabesna, AK, College, etc.

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
J16K	Anvik River	5.27	294	P	Pn	17 49	43.1	+0.4		
M15K	Kasigluk River	5.28	266	P	Pn	17 49	43.2	+0.4		
M15K	Kasigluk River	5.28	266	P	Pn	17 49	43.2	+0.4		
G24K	Hadzeenic Riv	5.31	11	IAML		17 50	56.9			
G24K	comp=N,55nm,0.8s			IAML		17 50	56.9			
O15K	Ungalikthiuk R	5.44	249	P	Pn	17 49	46.0	+0.9		
O15K	Ungalikthiuk R	5.44	249	P	Pn	17 49	46.0	+0.9		
M29M	Somme Creek	5.49	75	P	Pn	17 49	46.6	+0.7		
M29M	Somme Creek	5.49	75	P	Pn	17 49	46.6	+0.7		
I17K	Nalaktet	5.49	300	P	Pn	17 49	46.6	+0.9		
L15K	Ungalik Mouta	5.52	277	P	Pn	17 49	46.6	+0.4		
L15K	Ungalik Mouta	5.52	277	P	Pn	17 49	46.6	+0.4		
K15K	Wolf Creek Mou	5.54	283	P	Pn	17 49	47.0	+0.6		
K15K	Wolf Creek Mou	5.54	283	P	Pn	17 49	47.0	+0.6		
G19K	Purcell Mouta	5.62	329	P	Pn	17 49	47.9	+0.4		
G19K	Purcell Mouta	5.62	329	P	Pn	17 49	48.3	+0.9		
H17K	Granite Mouta	5.66	312	P	Pn	17 49	49.2	+1.1		
H17K	Granite Mouta	5.66	312	P	Pn	17 49	49.2	+1.1		
G18K	Tagagawik	5.85	322	P	Pn	17 49	51.6	+0.9		
M14K	Bethel	5.88	268	P	Pn	17 49	52.0	+0.9		
F21K	Alatna River	5.93	347	P	Pn	17 49	53.5	+1.7		
F21K	Alatna River	5.93	347	P	Pn	17 49	53.5	+1.7		
H27K	Steamboat Moun	6.01	34	P	Pn	17 49	54.2	+1.3		
G26K	Purcupine River	6.07	23	P	Pn	17 49	55.0	+1.2		
F20K	Avaraart Lake	6.09	338	P	Pn	17 49	55.5	+1.5		
F20K	Avaraart Lake	6.09	338	P	Pn	17 49	55.5	+1.5		
L14K	Kuka Creek	6.12	274	P	Pn	17 49	55.6	+1.2		
L14K	Kuka Creek	6.12	274	P	Pn	17 49	55.6	+1.2		
P29M	Windy Craggy	6.30	102	P	Pn	17 49	57.5	+0.6		
P29M	Windy Craggy	6.30	102	P	Pn	17 49	57.5	+0.6		
F19K	Shalerucik Mo	6.34	331	P	Pn	17 49	58.0	+0.7		
F19K	Shalerucik Mo	6.34	331	P	Pn	17 49	58.0	+0.7		
BMAR	Burnt Mountain	6.37	19	P	Pn	17 49	59.4	+1.6		
H16K	Elim	6.40	305	P	Pn	17 49	59.2	+1.0		
G27K	Doyon Strip	6.42	31	P	Pn	17 49	59.6	+1.1		
G27K	Doyon Strip	6.42	31	P	Pn	17 49	59.9	+1.4		
J14K	Nanvaranak Lak	6.50	287	P	Pn	17 50	00.4	+0.8		
J14K	Nanvaranak Lak	6.50	287	P	Pn	17 50	00.4	+0.8		
F18K	Selawik	6.64	324	P	Pn	17 50	02.8	+1.4		
F18K	Selawik	6.64	324	P	Pn	17 50	02.8	+1.4		
O30N	Mendenhall	6.74	90	Pn	Pn	17 50	03.0	0.0		
G16K	Koyuk River	6.79	310	P	Pn	17 50	04.5	+1.1		
G16K	Koyuk River	6.79	310	P	Pn	17 50	04.4	+1.1		
CHGN	Chignik	6.83	224	Pn	Pn	17 50	04.0	0.0		
E25K	Arctic Village	6.88	14	Pn	Pn	17 50	06.6	+1.7		
F17K	Baldwin Pennin	7.01	320	P	Pn	17 50	07.7	+1.3		
K13K	Kusilvik Mount	7.01	280	P	Pn	17 50	07.1	+0.6		
K13K	Kusilvik Mount	7.01	280	P	Pn	17 50	07.1	+0.6		
TOLK	Took Lake Re	7.16	1	Pn	Pn	17 50	11.2	+2.6		
G15K	Niukluk	7.25	305	P	Pn	17 50	10.9	+1.1		
G15K	Niukluk	7.25	305	P	Pn	17 50	10.9	+1.1		
SKAG	Skagway	7.50	100	Pn	Pn	17 50	11.7	-1.6		
JIS	Juneau Island	8.46	106	P	Pn	17 50	26.6	+0.2		
INK	Inuvik	9.71	39	P	Pn	17 50	43.0	+0.1		
INK	comp=N,0.2nm,0.3s,baz=243,slow=14,SNR=18			S		17 52	31.7	+0.7		
U33K	Whale Pass	10.25	114	Pn	Pn	17 50	51.9	+1.1		
DLBC	Dease Lake	10.43	96	P	Pn	17 50	54.9	+1.4		
YKA	Yellowknife Arr	16.49	71	P	P	17 52	16.3	-0.3		
H04A	Detroit Lake	23.41	123	P	P	17 53	31.8	+0.3		
H04A	comp=Z,7.8nm,1.5s			IAMB	IAMB	17 53	49.2			
BUCK	Buck Mountain	23.50	125	P	P	17 53	34.3	+1.9		
BUCK	comp=Z,28nm,1.5s			IAMB	IAMB	17 53	36.0			
K02D	Willamette Mer	24.52	128	P	P	17 53	43.2	+1.4		
K02D	comp=Z,1.7nm,1.5s			IAMB	IAMB	17 54	25.3			
PLID	Pearl Lake	25.69	114	P	P	17 53	52.8	+0.3		
PD3I	Pinedale Array	30.39	109	P	P	17 54	34.6	+0.1		
PDAR	Pinedale Array	30.39	109	P	P	17 54	35.5	+1.1		
ULM	Lac du Bonnet	31.40	86	P	P	17 54	43.3	+0.2		
ULM	comp=Z,1.1nm,0.7s,baz=322,slow=7.7,SNR=6.5					17 54	43.3	+0.2		
RSSD	Black Hills	31.88	102	P	P	17 54	48.4	+0.7		
RSSD	comp=Z,1.9nm,0.8s			IAMB	IAMB	17 54	53.1			
EYMN	Gly	35.08	85	P	P	17 55	15.7	+0.6		
SFX	San Felipe	38.10	127	P	P	17 55	41.3	+0.3		
SUMG	Summit	38.38	27	P	P	17 55	43.5	+0.1		
SUMG	comp=Z,4.8nm,1.1s			IAMB	IAMB	17 55	50.2			
SFJD	Kangerlussuaq	39.06	38	P	P	17 55	48.7	+0.1		
SPITS	Spitsbergen Ar	40.30	4	P	P	17 55	58.3	-0.6		
SPITS	comp=Z,9.1nm,1.0s,baz=351,slow=8.0,SNR=1.5					17 56	12.4	+0.6		
WNOK	Wichita Mouta	41.80	106	P	P	17 56	29.2			
WNOK	comp=Z,4.7nm,1.5s			IAMB	IAMB	17 56	29.2			
VHRN	Van Horn	42.36	116	P	P	17 56	17.5	+1.1		
TXAR	Lajitas Array	44.18	115	P	P	17 56	31.5	+0.4		
TXAR	comp=Z,0.2nm,0.4s,baz=319,slow=6.2,SNR=2.0					17 56	31.5	+0.4		
KSRS	Korea Array	54.30	284	P	P	17 57	47.8	-0.3		
KSRS	comp=Z,1.1nm,0.6s,baz=318,slow=5.9,SNR=8.3					17 57	47.8	-0.3		
SONM	Songino Array	55.10	307	P	P	17 57	53.9	0.0		
SONM	comp=Z,0.9nm,0.8s,baz=35,slow=6.5,SNR=6.9					17 57	53.9	0.0		
ZALV	Zalesovo Beam	57.02	325	P	P	17 58	06.2	-1.2		
ZALV	comp=Z,0.4nm,0.3s,baz=250,slow=15,SNR=5.9					17 58	06.2	-1.2		
EKA	Eskdalemir Ar	60.59	21	P	P	17 58	30.8	-1.3		
EKA	comp=Z,0.3nm,0.4s,baz=319,slow=5.4,SNR=5.3					17 58	30.8	-1.3		
MKAR	Makanchi Array	64.16	323	P	P	17 58	53.9	-2.3		
MKAR	comp=Z,0.1nm,0.5s,baz=28,slow=5.5,SNR=1.9					17 58	53.9	-2.3		
AKASG	Malin Array B	68.13	1	P	P	17 59	20.2	-1.3		
AKASG	comp=Z,0.9nm,0.4s,baz=22,slow=6.1,SNR=7.0					17 59	20.2	-1.3		
ESDC	Sonsec Array	75.44	27	P	P	18 00	05.2	-0.5		
ESDC	comp=Z,0.7nm,0.9s,baz=335,slow=4.6,SNR=5.1					18 00	05.2	-0.5		
BRTR	Keskin Array B	79.07	357	P	P	18 00	27.0	+0.9		
BRTR	comp=Z,0.3nm,0.6s,baz=7.8,slow=6.3,SNR=2.2					18 00	27.0	+0.9		
CMAR	Chiang Mai Arr	83.56	297	P	P	18 00	48.3	-1.7		
CMAR	comp=Z,0.3nm,0.7s,baz=13,slow=3.9,SNR=2.8					18 00	48.3	-1.7		
QSPA	South Pole Qui	151.33	180	PKPbc	PKPbc	18 08	12.7	-1.0		
QSPA	South Pole Qui	151.33	180	PKPbc	PKPbc	18 08	12.9	-0.8		
QSPA	comp=Z,0.9nm,0.6s,baz=141,slow=6.5,SNR=8.2					18 08	12.9	-0.8		

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
az=194.0										
ISC 01 18:17:49.1±0.5, 16.65N, 0.05±86.23W, 0.06h, 49km, m86,										
±181°85, mb4.3/0.20, MS3.5/3, North of Honduras										
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
TGUH	Teguicigalpa,Un	2.76	201	Op	Sn	18 18	31.4	+0.3		
TGUH	comp=Z,0.3nm,0.8s,baz=69,slow=4.5,SNR=2.4					18 18	31.4	+0.3		
PTFF	Flores	3.49	275	Pn	Pn	18 18	40.1	-0.8		
ESQI	Esquipulas	3.64	326	Pn	Pn	18 18	43.4	+0.3		
CRIN	San Cristobal	4.00	191	Pn	Pn	18 18	48.1	+0.1		
TEIG	Tepeich	4.03	332	Pn	Pn	18 18	48.4	+0.3		
TEIG	0.5nm,0.3s,baz=325,slow=24,SNR=253			Sn	Sn	18 19	31.1	-0.7		
BOAB	BOAC0 BROADBAN.21	172		Pn	Pn	18 18	51.5	+0.7		
MGAN	Managua	4.47	180	Pn	Pn	18 18	53.0	-1.4		
ACON	Acopyas	4.76	187	Pn	Pn	18 18	56.0	-2.4		
ESPN	Las Esperanzas	4.80	157	Pn	Pn	18 18	56.5	-2.4		
HUEH	Huehuetenango	5.24	256	Pn	Pn	18 19	04.8	-0.4		
CCIG	Comitan	5.68	267	Pn	Pn	18 19	11.7	+0.6		
SOCS	Poccosol	6.42	166	Pn	Pn	18 19	19.0	-2.2		
JTS	Las Justas de	6.44	169	Pn	Pn	18 19	19.7	-1.7		
JTS	Las Justas de	6.44	169	Pn	Pn	18 19	19.8	-4.6		
JTS	0.7nm,0.3s,baz=26,slow=21,SNR=1.3			Sn	Sn	18 20	33.0	-0.6		
SOR	San Salvador	6.83	26	Pn	Pn	18 19	25.1	-1.6		
CMIG	Matias Romero	8.29	274	Pn	Pn	18 19	47.3	+0.4		
CMIG	1.5nm,0.3s,baz=84,slow=12,SNR=16					18 19	47.3	+0.4		
MTDJ	Mount Denham	8.45	78	Pn	Pn	18 19	48.0	-1.1		
TLTG	Tipala	11.83	276	Pn	Pn	18 20	33.1	-2.2		
DWPF	Disney Wildern	12.24	20	Pn	Pn	18 20	39.0	-1.8		
HKT	Hockley	15.90	328	Pn	IAMB	18 21	28.1	-1.4		
HKT	comp=Z,30nm,1.5s			IAMB	IAMB	18 21	33.7			
LRLAL	Lakeview Rete	16.33	358	Pn	IAMB	18 21	33.8	-1.3		
LRLAL	comp=Z,9.4nm,0.05s			IAMB	IAMB	18 21	37.1			
MLDN	Muldoo	16.42	325	Pn	Pn	18 21	35.1	-1.1		
ZADC	Zacatecas	16.54	294	Pn	Pn	18 21	39.0	-2.0		
833A	Chagall WMA,	18.06	316	Pn	Pn	18 21	40.9	-2.0		
NATX	Nacogdoches	16.88	335	Pn	Pn	18 21	40.2	-1.8		
NATX	comp=Z,2.9nm,1.1s			IAMB	IAMB	18 22	07.8			
SDV	Santo Domingo	17.05								

1d 18h

2019 JAN

Table with columns for station name, frequency, power, and other technical details. Includes stations like PLE Pjevlja, PRED Cave del Predi, ZONE Zone, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ORIV Oris-en-Rattie, MDVR Moldovita, VAY Valandovo, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZVF Avril sur Loir, AMF Calviac, ZIF Calviac, etc.

Table of astronomical observations for 2019 JAN, including columns for station name, object name, magnitude, position angle, and other parameters. Includes stations like PESTR, PCAS, PMTG, etc.

Table of astronomical observations for 2019 JAN, including columns for station name, object name, magnitude, position angle, and other parameters. Includes stations like KURK, KURK, NRIK, etc.

Table of astronomical observations for 2019 JAN, including columns for station name, object name, magnitude, position angle, and other parameters. Includes stations like DAVO, MYLDM, MYLDM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KARF, KARP, KARPH, KARPS, THRB, IACM, Herakion, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JISG, Ishigakijimah, TAP 01, Taiwan, ENA, Nanau, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRAB, WB2, Warrumunga Arr, ASAR, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MASOI Masohei, AAI Ambon, FAKI Fak Fak, etc.

KRNET 01 19:43:27.8.0.1, 41.25Nk:73.92E, h19km, mb2.8
SOME 01 19:43:27.4.1, 23Nk:73.98E, h10km
NNC 01 19:43:27.3.1, 2.41.20Nk:73.92E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=9.6km s-min=4.6km az=174.0

KNET 01 19:43:30.2.0.7, 41.35Nk:73.97E, h21km, km3, ml2.3, Error
ellipse: s-maj=4.6km s-min=3.9km az=91.0
ISC 01 19:43:27.4.0.9, 41.23Nk:0.02, 73.93E:0.02, h18km, g8km,
n71, c1579/120, 31C-36Z, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SALK Salom-Alik, SALK Aral, ARLS Aral, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DGS Degeres, DGS Degeres, DGS Degeres, etc.

ISC 01 19:51:16.4.1.2, 3.11Nk:126.59E, h0km, mb3.5/6,
mbmp3.5/7, MS3.2/1, Error ellipse: s-maj=128.4km s-min=17.8km
az=67.0
DJA 01 19:51:22.7.0.3, 3.3Nk:4.12E, h10km, M4.1/12, mB5.0/2,
mb4.3/5, MLV4.0/12, Mw(mB)4.3/2
ISC 01 19:51:18.5.1.1, 3.3Nk:0.1, 126.9E:0.1, h10km, n13,
c142/11, mb3.6/6, Talau Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SGSI Sangihe, TINTI Ternate, KMSI Cibinong, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SONM Songino Array, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

ISC 01 19:59:38.0.0.7, 21.44Nk:143.87E, h0km, mb3.8/12,
mbmp3.8/12, MS3.4/2, Error ellipse: s-maj=23.7km
s-min=19.4km az=82.0
ISC 01 19:59:42.9.0.7, 21.41Nk:0.2, 143.8E:0.2, h33km, n41,
c0589/17, mb3.8/13, MS3.5/2, Mariana Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, JUNU Nakatsue, KRSR Korea Array, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SGDS, ZSN, ZSN, MK31, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like YSS, YSS, KMBO, AKTO, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TIXI, TIXI, TIXI, etc.

RSK01 20:24.54±1.2, 54.76N×164.49E, h50km±24km, MI4.0, Komandorski Islands region. Includes a grid of station locations with call signs and coordinates.

Table with columns: KPT, KOZ, SRDR, NLC, NLC, ESQ, KRX, KRX, KOK, DALK, DALK, PET, GNL, KRMR, RUS, RTR, MTRV, GRL, OSSR, APC, APC, KDTR, KDTR, TILK. Includes station names, codes, and coordinates.

TEH 01 21:11:34.8, 39:29N, 43:35E, h19km, 11km
NSSCP 01 21:11:35.2, 38:92N, 43:57E, h10km, Ms2.9
ISK 01 21:11:36.8, 39:03N, 43:55E, h5km, ML3.0/18
AFAD 01 21:11:37.2, 38:98N, 43:51E, h7km, 1km, ML2.8
AZER 01 21:11:47.2, 39:11N, 44:25E, h12km, ml2.7
ISC 01 21:11:38.0, 39.03N, 02.02, 43.56E, 0.02, h16km, 7km, n55, c187/78, 1C-30, Turkey

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists various stations like ERCV, ERCS, CLDR, etc.

WEL 01 21:47:38.5, 0.9, 32.5, 17.8, 10E, 1.7, h296km, 16km, mB4.4/5, ML4.3/8, MLV4.3/7, Mw(mz)3.6/5, Error ellipse: s-maj=22.8km, s-min=5.3km, az=109.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like GLKZ, WMGZ, HAZ, etc.

Table with columns: KNZ, KNZ, MHGZ, MHGZ, NAUMAI, NAUMAI, BKZ, BKZ, PHXZ, PHXZ. Includes station names and coordinates.

DJA 01 21:53:58.9, 0.6, 3, 7, 10, 2E, 1.7, h169km, 7km, M3.9/7, mb3.9/1, MLV3.9/7, Southern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like MNAI, MNAI, PPSI, etc.

NIED 01 22:05:38.1, 35:73N, 140:20E, h66km, MW4.0, Moment Tensor Solution, s=3, Moment tensor, Scale 10^15Nm, M=0.84, Mw=0.17, Mo=1.00, M=0.21, Mw=0.22, Mw=0.31, Fault plane solution: M1: 0200x10^15 NP1: 0:182, 0.00000, 0.836, 0.00000, 0.109, 0.00000. NP2: 0:339, 0.00000, 0.856, 0.00000, 0.77, 0.00000. JMA 01 22:05:38.1, 0.2, 35.73N, 0.5:140:2E, 0.7, h66km, 1km, MV3.6/40, NORTHERN CHIBA PREF. JMA Felt J1 at NORTHERN CHIBA PREF. NEIC 01 22:05:39.0, 1.4, 35.68N, 0.05:140:23E, 0.02, h66km, 8km, mb4.4/22, Error ellipse: s-maj=7.9km, s-min=1.9km, az=191.0

ISC 01 22:05:39.6, 2.1, 35:62N, 140:12E, h76km, 17km, mb3.6/17, mb3.9/21, MS3.3/6, Error ellipse: s-maj=19.9km, s-min=15.6km, az=89.0

ISC 01 22:05:38.7, 0.7, 35.70N, 0.04:140:18E, 0.04, h66km, 6km, n89, c1508/99, mb4.1/29, 15D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like JSMT, JSMT, JCN, etc.

MJAR 58nm, 0.5s, baz=108, slow=18, SNR=4.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like MAJO, MAJO, MJB9, etc.

ASAJ 2.9nm, 0.3s, baz=138, slow=36, SNR=1.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like ASAJ, ASAJ, ASAJ, etc.

KSRS 2.2nm, 0.5s, baz=97, slow=13, SNR=7.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like H1N2, H1N2, H1N1, etc.

H1N3 2.4nm, 1.8s, baz=95, slow=37, SNR=8.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like H1N3, H1N3, H1S3, etc.

H1S3 2.4nm, 0.7s, baz=135, slow=14, SNR=3.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like H1S1, H1S1, H1S2, etc.

H1S2 0.4nm, 0.5s, baz=110, slow=10.0, SNR=2.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like H1N2, H1N2, H1N1, etc.

H1N1 0.4nm, 0.5s, baz=110, slow=10.0, SNR=2.4

Table with columns: TARG, TARG, B21K, B21K, D22K, D22K, E22K, E22K, C24K, C24K. Includes station names and coordinates.

BVAR 50.74 313 P P 22 14 31.7 0.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like ILAR, ILAR, ILAR, etc.

KNRA 52.23 194 P P 22 14 42.4 -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like WBO, WBO, WBO, etc.

WRA 55.61 187 P P 22 15 06.7 -1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like ARTI, ARTI, ARTI, etc.

ASAR 59.34 187 P P 22 15 33.0 -0.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like MBWA, MBWA, PSAA0, etc.

YKA 65.46 30 P P 22 16 14.4 +0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like FINES, FINES, FINES, etc.

KBZ 71.02 310 P P 22 16 49.8 +0.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like AKAGS, AKAGS, AKAGS, etc.

NOA 75.03 337 P P 22 17 12.4 -0.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like BRTR, BRTR, BRTR, etc.

PDAR 79.31 45 P P 22 17 38.2 +0.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like PFO, PFO, PFO, etc.

CLL 81.75 330 P P 22 17 52.0 +2.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like EKA, EKA, EKA, etc.

ISC 01 22:07:33.0, 3.3, 6:32N, 127:26E, h58km, 26km, mb3.7/10, mb3.9/10, Error ellipse: s-maj=38.2km, s-min=14.5km

DJA 01 22:07:32.3, 0.4, 6, 2, 12, 7E, 1.7, h10km, M4.4/12, mb4.5/9, mb4.9/5, MLV4.5/12, Mw(mz)4.2/5

NEIC 01 22:07:35.3, 1.6, 6:0N, 10:1, 127:0E, 0.1, h79km, 9km, mb4.3/16, Error ellipse: s-maj=21.9km, s-min=5.0km, az=224.0

ISC 01 22:07:35.1, 0.6, 6:03N, 0.06:126:94E, 0.09, h83km, n41, c132/48, mb4.2/16, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like DAV, DAV, DAV, etc.

SGSI 2.72 211 P P 22 08 16.3 -0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like TNTI, TNTI, TNTI, etc.

LRFI 6.65 175 P P 22 09 09.6 -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like TOLJ, TOLJ, SANI, etc.

LUWI 8.17 211 P P 22 09 31.4 +0.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists stations like MYLDM, MYLDM, FAKI, etc.

ASAR 30.29 167 P P 22 13 39.4 +0.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like BRVK Borovoye, ABKAR Akbulak array, VANDA ARCES Array B, etc.

DJA 01 22:11:18.3:0.9,6'N:3'12.7'E, h18km,8km, M4.4/11, mb4.5/5, mB4.8/1, MLV4.4/11, Mw(mB)4.1/1

NEIC 01 22:11:19.2:4.5:98N:126.98E, h78km,19km, mb3.7/11, mbtmp4.1/12, Error ellipse: s-maj=41.0km s-min=12.8km

ISC 01 22:11:20.0:0.6,5,27N:0.05:126.89E:0.09,h83km,n41, c1508/49,mb2.1, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like DAV Davao City (W), SGSI Sangihe, TNTI Ternate, etc.

WRA Warramunga Arr 26.68 164 P P 22 16 52.7 +1.3

ASAR Alice Springs 30.14 167 P P 22 17 23.5 +1.3

NWAO Narogin (SRD) 39.66 193 P P 22 18 44.6 +0.7

SONMI Songino Array 45.34 341 P P 22 19 29.2 -0.8

MK31 Makanchi Array 55.91 324 P P 22 20 49.7 +0.3

MKAR Makanchi Array 55.91 324 P P 22 20 49.6 +0.2

ZALV Zalesovo Beam 58.77 332 P P 22 21 07.9 -1.5

KURK Kurchatov 60.04 327 P P 22 21 18.3 +0.1

KKAR Karatay Array 61.80 316 P P 22 21 30.0 -0.3

BVAR Borovoye Array 65.63 326 P P 22 21 55.4 +0.2

ABKAR Akbulak array 70.70 326 P P 22 22 26.1 -0.4

ARTI Arti 73.31 327 P P 22 22 41.8 -0.7

C18K Utukok River 78.02 21 P P 22 23 09.9 +0.8

D19K Kuna River 79.08 21 P P 22 23 15.9 +0.9

B20K Meade River 79.72 20 P P 22 23 19.0 +0.6

RAYN Ar Rayn 79.80 293 P P 22 23 19.6 -0.2

ILAR Eielson Array 83.12 26 P P 22 23 37.2 +0.7

F28M Old Crow 85.85 23 P P 22 23 50.8 +0.5

ARCES ARCES Array B 88.51 340 P P 22 24 01.9 -1.1

BRTR Keskin Array B 88.79 310 P P 22 24 04.5 -0.6

TORD Torodi Ar. Bea 122.38 289 PKP PKPdf 22 30 06.2 -0.4

ISC 01 22:13:30.0:2.4,35'80N:140.95E, h0km, mb3.4/3, mbtmp3.4/4, ML2.6/1, Error ellipse: s-maj=63.9km

JMA 01 22:13:40.9:1.0,2.35'7N:0.6:140.2E:0.8, h66km,2km, MV2.7/38, NORTHERN CHIBA PREF

ISC 01 22:13:40.9:1.0,2.35'85N:0.05:140.22E:0.06, h72km,7km, n16, c182/25, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like JSMT Sammumatsuo, JCN Nagara, TOK Tokyo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like JKT Katashina, JYN Shimob, JZJS Izushimoda, etc.

KEA 01 22:20:27.3:4.1:31'N:128.98E, h6km, ML2.8/5, KMA 01 22:20:29.9:4.6, 4.1:30'N:129.21E, h12km,38km, Error ellipse: s-maj=6.0km s-min=2.1km az=96.0

ISC 01 22:20:27.3:1.5,4.15'N:0.1:128.98E:0.07, h10km, n8, c0566/14, North Korea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CHUN Chongjin, KGE Kangyee, KOSB Goseong, etc.

ISC 01 22:22:05.5:2.3,35'90N:141.04E, h0km, mb3.4/3, mbtmp3.4/4, ML2.5/1, Error ellipse: s-maj=59.0km

JMA 01 22:22:17.1:1.0,2.35'7N:0.5:140.2E:0.8, h65km,1km, MV2.4/39, NORTHERN CHIBA PREF

ISC 01 22:22:17.2:1.0,3.5'84N:0.05:140.21E:0.05, h73km,7km, n17, c1935/27, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like JSMT Sammumatsuo, JCN Nagara, TOK Tokyo, etc.

ISC 01 22:29:20.0:1.4,26'35N:110.70W, h0km, mb3.0/2, mbtmp3.1/6, ML3.5/4, MS3.0/2, Error ellipse: s-maj=25.0km

NEIC 01 22:39:20.9:2.5,26'27N:0.03:110.66W:0.03, h10km,1km, mb4.1/5, Md4.3/26(MEX), Error ellipse: s-maj=4.9km

MEX 01 22:39:29.0:3.2,26'44N:110.58W, h16km,16km, MD4.3

ISC 01 22:39:19.3:1.4,26'31N:0.04:110.69W:0.04, h6km,12km, n56, c220/77, mb3.3/3, Gulf of California

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like NE77 Loreto B.C.S, UAGRB Rancho Ultima, EVARO San Evaristo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CSIG Choix, CSIG La Paz, LPIG La Paz, etc.

ISC 01 22:39:29.0:3.2,26'44N:110.58W, h16km,16km, MD4.3

ISC 01 22:39:19.3:1.4,26'31N:0.04:110.69W:0.04, h6km,12km, n56, c220/77, mb3.3/3, Gulf of California

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like LPIG LPIG, SLBS Sierra La Laguna, SLBS Sierra La Lago, etc.

ISC 01 22:39:29.0:3.2,26'44N:110.58W, h16km,16km, MD4.3

ISC 01 22:39:19.3:1.4,26'31N:0.04:110.69W:0.04, h6km,12km, n56, c220/77, mb3.3/3, Gulf of California

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like POST Post, WMOK Wichita Mounsa, OK031 S. Brethren Rd, etc.

ISC 01 22:39:29.0:3.2,26'44N:110.58W, h16km,16km, MD4.3

ISC 01 22:39:19.3:1.4,26'31N:0.04:110.69W:0.04, h6km,12km, n56, c220/77, mb3.3/3, Gulf of California

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like TAP01 22:52:49.1,2387N:121.57E, h19km, ML2.8,3D,C, Taiwan

Table with columns: CBKS, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Cedar Bluff, Mount Ida, Mountain Grove, etc.

Table with columns: ODDZ, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Otahua Downs, Highcliff Hill, Timaru, etc.

Table with columns: F2K, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Willow, Rabbit Creek A, Palmer, etc.

NEIC 02 01:46:04.5 1.1, 19.34N, 0.02:155.149W, 0.006, h3km, 2km, Error ellipse: s-maj=3.0km s-min=0.6km az=170.0

HVO 02 01:46:04.1-0.9, 19.333N, 0.02:155.13W, 0.01, h3km, 4km, ML2.6/33, ML2.5/36(NEIC), Error ellipse: s-maj=3.0km s-min=1.0km az=149.0, Hawaiian Islands

Main station list table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Steam Cracks, Kame Nui o Ham, North of Pu'u, etc.

Main station list table with columns: ODDZ, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Takaka Hill, Takaka Range, Takaka Range, etc.

Main station list table with columns: F2K, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Spurr Capps G1, Spurr Capps G2, Spurr Capps G3, etc.

NOU 02 02:14:26.0, 45.10S, 167.51E, h120km, MLV4.3/16, South Island, New Zealand

WEL 02 02:47:04.9, 45.5 S, 176.7E, h105km, 6km, M4.0/12, MLV4.0/12, Error ellipse: s-maj=3.4km s-min=2.4km az=119.4

IDC 02 02:14:29.1, 2.8, 44.73S, 167.73E, h149km, 2km, b1/2, mbmp3.8/4, Error ellipse: s-maj=4.6km s-min=2.3km az=12.0

ISC 02 02:14:26.0, 0.8, 45.08S, 0.05:167.52E, 0.05, h127km, 5km, n101, 0.1, 30/115, South Island

IDC 02 02:35:36.9, 1.8, 17.65S, 178.47W, h559km, 20km, mb3.0/7, mbmp3.9/8, Error ellipse: s-maj=35.4km s-min=17.5km az=147.0

ISC 02 02:35:36.0, 0.9, 17.7S, 0.2:178.3W, 0.2, h547km, n10, 0.1, 147/10, mb3.3/7, Fiji Islands region

IDC 02 02:35:36.9, 1.8, 17.65S, 178.47W, h559km, 20km, mb3.0/7, mbmp3.9/8, Error ellipse: s-maj=35.4km s-min=17.5km az=147.0

ISC 02 02:35:36.0, 0.9, 17.7S, 0.2:178.3W, 0.2, h547km, n10, 0.1, 147/10, mb3.3/7, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Tafes, Deep Cove, Milford Sound, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Nonsavu, Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like Chinua, Cordova Ski Ar, Castle Rocks, etc.

2019 JAN

Table with columns: ID, Name, Value, Unit, Status, Date, Time, Location. Includes entries like 018K Koktuk Hills, 018K comp=E,36nm,0.6s, 1018K Verde Repeater, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like F17K Baldwin Pennin, TOLK Toolik Lake Re, E21K Killik River, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, Location. Includes entries like DL2 comp=Z,670nm,8.0s, DL2 comp=Z,450nm,8.1s, etc.

Table of station data for 2d 3h, including columns for call sign, name, frequency, and other parameters.

Table of station data for 2019 JAN, including columns for call sign, name, frequency, and other parameters.

Table of station data for 2019 JAN, including columns for call sign, name, frequency, and other parameters.

IDD 02 03:18:48.6, 3.6, 92N:71.14E, h92km, 62km, mb3.6/5, mbtmp4.0, 9, ML3.4/4, Error ellipse: s-maj=75.9km s-min=44.4km az=123.0

JMA 02 03:36:56.7, 0.3, 24.7N:108.122E, 0.6, h86km, 26km, WJWS 02/8/13, TAIWAN REGION, TAP 02 03:36:57.0, 24.79N:121.96E, h83km, ML3.6/B, ISC 02 03:36:56.5, 1.3, 24.79N:103.1219E, 0.03, h88km, 6km, n118, c09/95/216, 6C, Taiwan

GCG 02 03:49:04.6, 2.6, 15.58N:94.84W, h5km, 375km, MD4.9, Hypocentre not reviewed by the ISC, MEX 02 03:49:07.9, 1.3, 15.40N:94.77W, h27km, 28km, MD4.5, NEX 02 03:49:08.3, 1.9, 15.40N:0.07, 94.72W, 0.04, h35km, 2km, mb4.1/35, MD4.5/96(MEX), Error ellipse: s-maj=11.6km s-min=6.6km az=193.0, IDC 02 03:49:12.2, 3.7, 15.80N:94.44W, h56km, 26km, mb3.5/7, mbtmp3.7/8, ML3.9/1, MS3.2/1, Error ellipse: s-maj=35.8km s-min=16.9km az=27.0, ISC 02 03:49:06.5, 1.5, 15.37N:102.04, 94.75W, 0.03, h31km, 11km, n120, c267/177, mb4.1/16, 1C-1D, Near coast of Oaxaca

Table with columns: PEIG, Puerto Escondi, 2.40 285, Pn, 03 49 43.3 -0.4, AMTX Amarillo, 20.41 343, P, Pn, 03 53 43.0 -0.4, etc.

Table with columns: AMTX Amarillo, 20.41 343, P, Pn, 03 53 43.0 -0.4, OK031 S. Brethren Rd, 20.58 355, P, P, 03 53 43.2 +0.2, etc.

Table with columns: EAZ, Lake Benmore, 2.36 96, S, Sn, 05 08 47.3 +0.5, LBZ Tuapeka, 2.62 134, P, Pn, 05 08 28.2 +1.5, etc.

Table with columns: IDC 02 05:25:55.8, 1.7, 1.53S; 127.74E, h0km, mb3.6/3, mbmp3.6/4, ML3.7/1, Error ellipse: s-maj=151.1km, s-min=22.2km az=67.0, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, LBMI Labuha, 0.89 1, P, P, 05 26 15.2 -1.2, etc.

Table with columns: GII 02 06:07:44.5, 0.0, 34.821N; 0.003:23.710E; 0.001, h20km, confirmed, ISK 02 06:07:46.4, 35.282N-23.377E, h58km, ML3.5/9, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, IMMV Iera Moni Meta, 0.62 69, Op, Pn, 06 07 59.0 +0.4, etc.

Table with columns: WEL 02 05:07:48.0, 0.9, 44.5°S; 167.7°E, h12km, M3.2/6, ML3.5/13, MLV3.2/6, Error ellipse: s-maj=8.2km, s-min=2.6km az=126.7, etc.

2d 6h

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VLI Veliati, MHLO Agia Marina, PYL PYLOS, etc.

2019 JAN

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM Songino Array, SCHO Schefferville, YKA Yellowknife Ar, etc.

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Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WATZ Rihia Road, KRVT Karewarewa, YKZ Yellowknife Ar, etc.

SJA 02 06:17:04.3z:0.8,33:78S:72:84W,h10km,ML3.5,MW3.2
GUC 02 06:17:21.5z:0.8,33:02S:71:90W,h28km,4km,ML3.1
ISC 02 06:17:22.4z:1.7,33:05S:00:37:19.2W,0.09,h27km,9gkm,
+22,-1570/37,1C-9D,Near coast central Chile

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VA01 Torpederas, VA05 Santo Domingo, MT02 Curacao, etc.

IDC 02 06:20:44.9,8.0,6.11S:149.59E,h59km,60km,mb3.3/6, mbtmp3.7/7,ML2.3/1, Error ellipse: s-maj=83.2km s-min=32.6km az=94.0

ISC 02 06:20:44.2,0.6,15.0:2:149.7E:0.4,h58km,n8,c085/9, mb3.3/5, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, SONMI Songoing Array, MKAR Makanchi Array, KURBS Kurchatov Arra, TORO Torodi Arr, etc.

IDC 02 06:24:47.9,3.7,27.97N:140.90E,h532km,89km,mb2.6/3, mbtmp3.5/4, Error ellipse: s-maj=286.5km s-min=25.3km az=74.0, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MJAR Matsushiro Arr, WRA Warramunga Arr, ASAR Alice Springs, BVAR Borovoye Array, etc.

NEIC 02 06:40:31.9,0.4,36.098N:0.008:97.88W,0.01,h5km,1km, mb_Lg2.6/24,ML2.9/63, Error ellipse: s-maj=2.9km s-min=1.9km az=267.0, Oklaoma region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CROK Carrier, ADOK Arcadia Dam, G202 Grant County #, CSTR Hydro, Custer, BLOK Blackthorn, OK031 S. Brethren Rd, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KAN14 Manchester OK, FNO Franklin, OK051 E0350 and S346, KAN17 Caldwell West, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include QUOK Quay, KAN13 South Haven Sw, NOKA Waynoka, KAN05 Bluff City Nor, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KAN09 Caldwell North, KAN01 Argonia South, KAN01, KAN08 Anthony NE Sta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DEOK Depew, KAN12 Harper NE Sta, ELIS Ellis County, W35A Tecumseh, etc.

TAP 02 06:41:14.5,24.07N:122.67E,h12km,1km,ML2.8,1 JMA 02 06:41:15.1,0.1,24.1:1N:0.7:122.7E:0.3,h20km,6km MV2.5/13,NW OFF ISHIGAKIJIMA IS

ISC 02 06:41:12.3,1.2,24.05N:0.04:122.70E,0.02,h6km,10km, n47,c056/66, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include EOSA, EOSS, YJNG, YOJ, YOS, EOSS, EWUT, ESJO, ESOA, EASO, TWC, IRIF, HATJ, NACS, NCD, SHUL, ETM, ETHL, TWE, LATG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include XJNS, ENTT, JKRS, JKRS, TIPB, FUBB, FUSB, WARB, NNSB, NNSB, NNSB, SX11, HGSD, NWLT, NWLT, YHNB, YHNB, JIJ, etc.

WEL 02 06:47:24.0,2.0,7.38S:3x17.8E, h63km,6km, M3.3/29, ML3.6/31,MLV3.3/29, Error ellipse: s-maj=5.3km s-min=4.5km az=95.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NSK, EHH, OWD, TWT, YULB, YULB, WWSB, WWSB, WWSB, TWFI, FULB, NFF, JISG, WHP, SSSL, EDH, etc.

NOU 02 06:47:25.0,37.55S:178.01E,h48km,MLV3.3/6, Off E. Coast of N. Island, N.Z.

ISC 02 06:47:24.8,1.8,37.55S:0.05:178.03E:0.06,h72km,10km, n48,c081/70, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MXZ, HAZ, PKGZ, WNGZ, PUZ, TWGZ, WISZ, WHRZ, TKGZ, CNGZ, URZ, MARZ, EDJR, EDJR, RIGZ, OPRZ, SNGZ, RTZ, MUGZ, LIRZ, PRGZ, TARZ, TRZ, OMRZ, RRRZ, MYRZ, KARZ, KNZ, RAHZ, HSRZ, PRZ, PRZ, MTHZ, MTHZ, MHGZ, HRZ, ALRZ, ALRZ, KMRZ, MFRZ, NMHZ, NMHZ, KUZ, TOZ, BKZ, BKZ, HIZ, WCZ, OUZ, OUZ, etc.

BUI 02 06:48:39.2,58.45N:153.53W,h52km,mb5.1/14, mb4.8/54,MS4.5/1,MS7.4/33

MOS 02 06:48:40.0,8.58:49N:153.50W,h52km,mb5.3/81, Error ellipse: s-maj=11.8km s-min=3.7km az=90.3

IDC 02 06:48:41.1,1.5,58.55N:153.55W,h44km,10km,mb4.3/27, mbtmp4.6/31,ML4.7/4,MS3.8/68, Error ellipse: s-maj=15.2km s-min=12.1km az=16.0

NEIC 02 06:48:42.9,2.0,58.35N:0.03:153.21W:0.04,h58km,4km, Error ellipse: s-maj=4.5km s-min=1.3km az=216.0

NEIC 02 06:48:43.5,58.35N:153.20W,h60km AEIC 02 06:48:43.5,1.6,58.33N:0.03:153.15W:0.05,h62km,4km, ML4.9,mb5.1/88(NEIC),ML5.1/114(NEIC), Mw4.9/51(NEIC),Mwv5.0/39(NEIC), Error ellipse: s-maj=4.7km s-min=3.6km az=171.0

NEIC 02 06:48:43.5,58.35N:153.58W,h60km Moment Tensor Solution: Duration: 186 Moment tensor: Scale 1016Nm; Mw1.75; Mw=1.40; Mw=0.35; Mw=1.61; Mw=3.06; Mw=0.62; Fault plane solution: M3.84000x1016 NP1: q=348.03000; s55.13000; l153.95000. NP2: q=93.65000; s68.88000; l37.80000. Principal axes: T 3.5638, Plg41.0000; Azm316.0000; N 0.5487, Plg47.0000; Azm119.0000; P -4.1125, Plg9.0000; Azm218.0000

GCMT 02 06:48:43.5,0.2,58.43N:0.01:153.32W:0.03,h60km,2km, MW5.0/97, Moment Tensor Solution. s50,c57; s97,c139; Duration: 0 Moment tensor: Scale 1016Nm; Mw0.69; l14; Mw=1.72; Mw=1.03; Mw=1.3; Mw=2.79; Mw=2.52; Mw=0.8; Mw=1.40; Mw=0.35; Mw=1.61; Mw=3.06; Mw=0.62; Fault plane solution: M3.84000x1016 NP1: q=80.34000; s84.0000; l171.0000. NP2: q=80.34000; s84.0000; l146.0000. Principal axes: T 3.9020, Plg36.0000; Azm313.0000; N 0.3420, Plg44.0000; Azm86.0000; P -4.2420, Plg26.0000; Azm203.0000; nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 02 06:48:43.5,58.35N:153.20W,h62km BGR 02 06:48:45.2,59.23N:154.30W,h33km,mb5.5 ISC 02 06:48:42.8,0.4,58.41N:0.03:153.15W:0.03,h64km,3km, n49,c085/901, Mb5.0/205,52C-33D, Kodiak Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include Q20K Shuyak Island, Q20K, SYI, SYI, Q19K Cape Douglas, Q19K, KDAK Kodiak Island, KDAK, KDAK Kodiak Island, KDAK, KDAK Kodiak Island, KDAK, KAHG Kodiak Island, KAHG, KAWH Katmai, KAWH, AU22 Augustine Cone, AU22, AUG2 Augustine Lava, AUG2, KAHK Katmai Hardscr, KAHK, Q18K Katmai Hardscr, Q18K, KCG Cape Ck. Glac, R18K, R18K, R18K, R18K, KATV Katmai Vly 10, ACHA Angle Creek He, OHAK Old Harbor, OHAK, OHAK Old Harbor, OHAK, P19K Oil Pt, P19K, OPT Oil Point, ANCK Angle Creek, CNTC Contact Creek, Q17K Contact Creek, Q17K, P18K Big Mountain, P18K, P18K, P18K, HOM Homer, HOM, CNPM China Pool, CNPM, ILS Iliamna Lw So, ILSW Iliamna Southw, ILSW, ILSW, IVE Iliamna Volcan, O20K Slope Mountain, O20K, BRK Bradley Lake, BRK, BRK, BRK, O18K Koktuh Hills, O18K, O18K, BRSE Bradley Lake S, BRSE, BRSE, King Salmon

2d 6h

Table with columns: ID, Name, Value, Unit, Status, Date, Time, Location, and other details. Includes entries like Q16K, P17K, O19K, SII, RED, R16K, N19K, SEW, CAPN, SLKM, P16K, N18K, O22K, O16K, SPU, SPCR, SPBG, CHIR, N17K, FIS, ANPB, RC01, RC01, P23K, P23K, M18K, PWL, M20K, N16K, Q23K, SKT, SKT, SKT, M22K, M17K, PMR, PMR, PMR, KNK, KNK, L19K, L19K, VNHG.

2019 JAN

Table with columns: ID, Name, Value, Unit, Status, Date, Time, Location, and other details. Includes entries like M16K, GLI, GLI, GLI, N15K, N15K, GHO, GHO, VNS5, L20K, L20K, FID, FID, SML, SML, SML, L18K, L18K, L18K, O14K, O14K, EYAK, M23K, M15K, M15K, SCM, PPLA, PPLA, L17K, L17K, L16K, L16K, DIV, N14K, N14K, KAIM, KAIM, KAIM, RAGM, RAGM, KLU, KLU, GOAT, WAT6, WAT6, WAT1, WAT1, K20K, K20K, K20K, K17K, K17K, BMRM, N15K, N15K, CAST, CAST, M14K, M14K, M14K, M24K, TRF, KTH, KTH, L15K, L15K, N25K, N25K, J18K, RND, RND, DHY, CHUM, CHUM, PS1A, M13K, PVV, L14K, L14K, HARP, HARP, VRDI, PSAA, PNTA, K15K, K15K, WASW, HAC, HAC, MCK, MCK, MCK, J19K, J19K, J17K.

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Table with columns: ID, Name, Value, Unit, Status, Date, Time, Location, and other details. Includes entries like BPAW, J20K, J20K, PAX, KIAG, BALM, J16K, J16K, M26K, M26K, I20K, K24K, K24K, MENT, MENT, WRH, SAMH, I17K, GCSA, L26K, L26K, FALS, FALS, FALS, RIDG, RIDG, HDA, J14K, J14K, K13K, K13K, CCB, I21K, I21K, PINM, M27K, M27K, ISNN, ISLN, M11K, M11K, COLA, COLA, COLA, O28M, O28M, I23K, IL31, ILAR, ILAR, SCRK, H20K, YUK3, H18K, L27K, L27K, J25K, J25K, POKR, POKR, BCAR, H21K, BVCY, H17K, H17K, H19K, YUK8, H22K, H16K, H16K, IMAR, J26L, J26L, O29M, O29M, H24K, YUKA, YUK6, YUK6, G18K, G18K, G17K, G17K, G19K, G19K, P29M, P29M, G21K, YUK5, G16K, G16K, AHB, HYT, M29M, M29M, AKV, AKVO, I26K, I26K, G15K, G23K, P30M, P30M, ANM, EGAK, EGAK, G22K.

N30M	Aishkik Lake	8.62	62	P	Pn	06 50 44.8	0.0
DAWY	Dawson	8.72	44	P	Pn	06 50 46.5	+0.5
F19K	Shalercuk Mo	8.72	348	P	Pn	06 50 46.3	+0.4
G24K	Hadweznick Riv	8.72	15	P	Pn	06 50 46.0	0.0
L29M	L29M	8.72	51	P	Pn	06 50 46.4	+0.4
UNV	Unalaska Valle	8.74	244	P	Pn	06 50 45.0	-1.3
F18K	Selawik	8.75	343	P	Pn	06 50 46.7	+0.4
PLBC	Pleasant Camp	8.75	76	P	Pn	06 50 46.3	0.0
PLBC	Pleasant Camp	8.75	76	P	Pn	06 50 46.9	+0.5
F20K	Avarart Lake	8.75	353	P	Pn	06 50 47.0	+0.6
MTBL	Makushin Table	8.75	245	P	Pn	06 50 44.1	-2.4
F21K	Alatina River	8.85	359	P	Pn	06 50 48.2	+0.4
F17K	Baldwin Pennin	8.88	338	P	Pn	06 50 48.7	+0.6
S31K	Pelican	8.95	86	P	Pn	06 50 48.5	-0.7
S31K	Pelican	8.95	86	P	Pn	06 50 48.1	-1.0
COLD	Coldfoot	8.95	7	P	Pn	06 50 48.9	-0.2
O30N	Mendenhall	8.97	67	Pn	Pn	06 50 49.7	+0.3
O30N	Mendenhall	8.97	67	Pn	Pn	06 50 49.6	+0.2
G25K	Bearman Lake	8.99	18	P	Pn	06 50 49.6	0.0
P08K	Saint George I	9.01	265	P	Pn	06 50 50.2	+0.3
I27K	Kandik River	9.01	32	P	Pn	06 50 49.9	-0.2
M30M	Minto, Yukon	9.08	56	P	Pn	06 50 51.1	+0.2
F15K	North Star Dit	9.08	329	P	Pn	06 50 52.5	+1.6
SP1A	Saint Paul Isl	9.21	270	P	Pn	06 50 53.5	+0.8
N31M	Bræburn, Yuko	9.24	63	P	Pn	06 50 52.8	-0.3
N31M	Bræburn, Yuko	9.24	63	P	Pn	06 50 53.7	+0.5
E19K	Redstone River	9.27	350	P	Pn	06 50 54.4	+0.9
SKAG	Skagway	9.28	76	P	Pn	06 50 54.3	+0.8
K29M	Barlow Dome	9.30	48	P	Pn	06 50 53.4	-0.7
K29M	Barlow Dome	9.30	48	P	Pn	06 50 54.7	+0.6
I28M	Miner Creek	9.40	36	P	Pn	06 50 55.5	+0.1
F14K	Arctic Creek	9.40	324	P	Pn	06 50 56.9	+1.6
F24K	Squaw Lake	9.45	12	P	Pn	06 50 55.8	-0.1
H27K	Steamboat Moun	9.51	30	P	Pn	06 50 56.7	-0.1
WHY	Whitehorse	9.55	69	P	Pn	06 50 57.6	+0.2
E17K	Hotham Inlet	9.56	339	P	Pn	06 50 57.4	+0.1
G26K	Porcupine Riv	9.58	23	P	Pn	06 50 57.7	+0.1
BESE	Bessie Mountai	9.58	81	P	Pn	06 50 57.6	-0.3
SIT	Sitka	9.63	90	P	Pn	06 50 56.8	-1.6
E18K	Tukpaklearik C	9.65	343	P	Pn	06 50 59.1	+0.4
E22K	Anaktuvuk Pass	9.78	3	Pn	Pn	06 51 01.5	+1.0
E22K	Anaktuvuk Pass	9.78	3	Pn	Pn	06 51 00.7	+0.2
R32K	Eaglecrest	9.80	83	P	Pn	06 50 59.9	-0.9
R32K	Eaglecrest	9.80	83	P	Pn	06 51 00.6	-0.1
E23K	Chandalar	9.81	8	P	Pn	06 51 00.7	-0.3
F25K	Christine Riv	9.82	17	P	Pn	06 51 00.7	-0.3
MAYO	Mayo, Yukon	9.84	51	P	Pn	06 51 01.9	+0.5
BMAR	Burnt Mountain	9.85	20	Pn	Pn	06 51 00.1	-1.3
JIS	Junesau Island	9.87	83	P	Pn	06 51 00.0	-1.6
S32K	Killisnoo	9.92	88	P	Pn	06 51 00.7	-1.7
S32K	Killisnoo	9.92	88	P	Pn	06 51 01.7	-0.7
E24K	Your Creek	9.92	10	P	Pn	06 51 02.2	-0.2
G27K	Doyon Strip	9.93	27	P	Pn	06 51 02.5	-0.1
TNA	Tin City	9.96	322	P	Pn	06 51 05.1	+2.3
M31M	Drury Creek, Y	10.04	60	P	Pn	06 51 04.5	+0.5
E21K	Killik River	10.08	358	P	Pn	06 51 04.3	-0.2
E21K	Killik River	10.08	358	P	Pn	06 51 04.5	0.0
P32M	Atlin	10.09	75	P	Pn	06 51 04.9	+0.1
J30M	Hart River	10.12	45	P	Pn	06 51 06.1	+0.9
F26K	Sheenjek River	10.16	20	P	Pn	06 51 05.7	+0.1
E25K	Arctic Village	10.32	16	P	Pn	06 51 07.0	-0.8
E25K	Arctic Village	10.32	16	P	Pn	06 51 07.7	-0.1
D17K	Noatak River	10.34	338	P	Pn	06 51 08.2	+0.3
D19K	Kuna River	10.36	350	P	Pn	06 51 09.1	+0.7
TOLK	Toolik Lake Re	10.39	7	P	Pn	06 51 09.1	+0.3
TOLK	Toolik Lake Re	10.39	7	P	Pn	06 51 09.1	+0.3
H30M	Whitestone	10.39	35	P	Pn	06 51 09.2	+0.4
I29M	Mount Dempster	10.44	42	P	Pn	06 51 10.3	+0.7
GAMB	Gambell	10.44	309	Pn	Pn	06 51 10.8	+1.3
GAMB	Gambell	10.44	309	Pn	Pn	06 51 10.7	+1.3
N32M	Quiet Lake	10.47	66	P	Pn	06 51 10.5	+0.6
D22K	Aiyikayk River	10.52	1	P	Pn	06 51 10.6	+0.2
FARO	Faro, Yukon	10.52	60	P	Pn	06 51 11.0	+0.4
FARO	Faro, Yukon	10.52	60	P	Pn	06 51 11.0	+0.4
P33M	Teslin, Yukon	10.54	72	P	Pn	06 51 10.7	-0.2
RDOG	Red Dog Mine	10.61	340	P	Pn	06 51 12.6	+0.9
D23K	Nanushuk River	10.65	5	P	Pn	06 51 12.8	+0.4
C21K	Knifeblade Rid	10.81	357	P	Pn	06 51 14.7	+0.2
C18K	Utukok River	10.87	344	P	Pn	06 51 16.4	+1.0
Q32M	Nakina River	10.88	78	Pn	Pn	06 51 16.1	+0.5
Q32M	Nakina River	10.88	78	Pn	Pn	06 51 15.7	0.0
D24K	Happy Valley	10.95	8	P	Pn	06 51 16.1	-0.3
G29M	Pine Creek	10.97	33	P	Pn	06 51 17.7	+1.1
F28M	Old Crow	11.00	27	P	Pn	06 51 16.9	-0.1
EPYK	Eagle Plains	11.00	37	P	Pn	06 51 16.3	-0.9
C17K	DeLong Mountai	11.03	340	P	Pn	06 51 17.6	+0.1
E27K	Coleen River	11.08	23	P	Pn	06 51 18.2	0.0
U33K	Whale Pass	11.08	93	P	Pn	06 51 16.4	-1.8
C19K	Lookout Ridge	11.10	348	P	Pn	06 51 18.8	+0.3
B21K	Ikkipuk River	11.28	357	P	Pn	06 51 23.3	+2.5
B21K	Ikkipuk River	11.28	357	P	Pn	06 51 22.5	+1.7
C16K	Lisburne Hills	11.28	336	P	Pn	06 51 22.1	+1.2
D25K	Kavik River	11.34	12	P	Pn	06 51 21.1	-0.7

D25K	Kavik River	11.34	12	P	Pn	06 51 21.7	-0.1
WRAK	Wrangell Islan	11.39	91	P	Pn	06 51 23.1	+0.7
H31M	Pea River	11.47	42	P	Pn	06 51 24.1	+0.6
R33M	Jennings River	11.50	76	P	Pn	06 51 24.2	+0.1
C24K	Franklin Bluff	11.52	8	P	Pn	06 51 23.1	-1.0
C23K	Ikiliik River	11.53	4	P	Pn	06 51 23.9	-0.3
G30M	IAoh Zrail Nji	11.54	35	P	Pn	06 51 24.6	0.0
B18K	Kokolik River	11.62	345	P	Pn	06 51 25.9	+0.5
S34M	Telegraph Cree	11.63	83	P	Pn	06 51 26.1	+0.4
S34M	Telegraph Cree	11.63	83	P	Pn	06 51 26.8	+1.0
B20K	Meade River	11.77	353	P	Pn	06 51 26.4	-1.1
B20K	Meade River	11.77	353	P	Pn	06 51 27.2	-0.4
E28M	Babbage River	11.86	25	P	Pn	06 51 29.1	+0.3
C27K	Jago River	11.97	16	P	Pn	06 51 30.9	+0.6
E29M	Blow River	12.07	28	P	Pn	06 51 32.5	+0.7
C26K	Camden Bay	12.08	14	P	Pn	06 51 32.2	+0.5
F30M	Barrier River	12.09	33	P	Pn	06 51 32.4	+0.5
D27M	Malcolm River	12.10	21	P	Pn	06 51 32.6	+0.5
DLBC	Dease Lake	12.11	80	P	Pn	06 51 33.0	+0.7
DLBC	comp=N, 1.7nm, 0.5s, baz=252, slow=20, SNR=8.5			Sn	Sn	06 53 42.2	-3.2
DLBC	comp=N, 4.36nm, 18.1s, baz=292, slow=38, SNR=10.5			LR	LR	06 56 34.6	
DLBC	Dease Lake	12.11	80	P	Pn	06 51 33.3	+1.0
A19K	Wainwright	12.31	347	P	Pn	06 51 35.4	+0.5
T35M	Bob Quinn	12.32	87	P	Pn	06 51 36.9	+1.7
T35M	Bob Quinn	12.32	87	P	Pn	06 51 36.7	+1.6
WTLY	Watson Lake, Y	12.55	72	P	Pn	06 51 39.6	+1.2
F31M	Tsiightehcic	12.59	36	P	Pn	06 51 38.5	-0.2
D28M	Stokes Point	12.61	24	P	Pn	06 51 40.1	+1.0
A22K	Simur Lake	12.67	357	P	Pn	06 51 36.7	-3.0
A21K	Barrow	13.05	355	P	Pn	06 51 43.8	-1.0
INK	baz=172, SNR=6.1	13.19	33	P	Pn	06 51 46.1	-0.6
INK	comp=N, 0.8nm, 0.3s, baz=226, slow=14, SNR=139			LR	LR	06 57 20.8	
INK	comp=N, 1.1um, 18.4s, baz=227, slow=39			Sn	Sn	06 51 46.2	-0.6
INK	comp=N, 5.1nm, 0.9s	13.19	33	P	Pn	06 51 46.2	-0.6
TOAD	Toad River Com	14.51	76	P	Pn	06 52 06.5	+2.0
KOTAK	N Kotalee Air	14.92	71	P	Pn	06 52 11.6	+1.8
WRGLY	Wrigley	15.17	59	P	Pn	06 52 15.5	-1.2
WRGLY	Wrigley	15.17	59	P	Pn	06 52 14.3	+1.3
B3B	Bella Bella	15.50	103	LR	LR	06 57 30.6	
C36M	Paulatuk	16.64	37	P	Pn	06 52 29.2	-2.1
A36M	Sachs Harbour	17.68	29	P	Pn	06 52 43.4	-0.8
SHEM	Shemya Is, Ala	19.23	267	LR	LR	07 00 39.2	
YKA	Yellowknife Ar	19.23	61	P	Pn	06 53 02.9	-0.1
YKA	comp=N, 3.1nm, 0.3s, baz=275, slow=10, SNR=243			LR	LR	07 01 23.3	
BILL	Billibino	20.25	315	c/P	P	06 53 11.8	-0.6
BILL	comp=N, 1.23nm, 1.7s			pmax	pmax		
B08A	Colville Reser	22.40	102	Iamb	Iamb	06 53 54.1	
G03D	McIlminville, O	22.48	113	Iamb	Iamb	06 53 36.9	+0.3
G03D	McIlminville, O	22.48	113	Iamb	Iamb	06 53 54.3	
MXC	Moxie City	22.99	107	Iamb	Iamb	06 53 60.0	
NEW	Newport	23.51	100	Iamb	Iamb	06 54 05.2	
NEW	Newport	23.51	100	Iamb	Iamb	07 02 00.9	
I05D	Terebonne, OR	24.05	112	P	Pn	06 53 53.6	+1.8
K02D	Willamette Mer	24.15	118	Iamb	Iamb	06 54 12.6	
PINE	Pine Mountain	24.18	112	Iamb	Iamb	06 54 16.7	
J05D	Fort Rock, OR	24.89	113	P	Pn	06 54 01.2	+1.7
YBH	Yreka Blue Hor	25.39	118	LR	LR	07 02 16.4	
SEY	Seymour	26.36	303	i/P	P	06 54 10.7	-1.8
SEY	comp=N, 3.6nm, 1.3s			pmax	pmax		
RES	Resolute Bay	26.71	30	LR	LR	07 05 17.7	
RES	comp=N, 2.48nm, 21.9s, baz=66, slow=37						
RES	Resolute Bay	26.71	30	P	Pn	06 54 16.8	+1.3
RES	comp=N, 2.0nm, 0.9s			pmax	pmax		
PEA0B	Petrovavlovsk-	27.63	281	eP	P	06 54 24.4	+0.4
PETK	Petrovavlovsk-	27.63	281	P	Pn	06 54 22.6	-1.4
PETK	comp=N, 1.8nm, 0.5s, baz=58, slow=9.1, SNR=6.8			LR	LR	07 05 00.9	
MA2	Magadan	28.19	297	LR	LR	07 06 30.2	
MA2	comp=N, 1.82nm, 19.0s, baz=78, slow=38						
MA2	Magadan	28.19	297	c/P	P	06 54 28.5	-0.4
MA2	comp=N, 2.50nm, 1.3s			pmax	pmax		
MA2	Magadan	28.19	297	P	Pn	06 54 28.7	-0.2
NVAR	Mina Array Bea	30.05	116	P	Pn	06 54 48.7	+2.8
NVAR	comp=N, 1.8nm, 0.9s, baz=316, slow=8.3, SNR=9.6			PcP	PcP	06 57 47.7	+1.5
NVAR	comp=N, 1.2nm, 0.9s, baz=303, slow=4.5, SNR=3.0			LR	LR	07 05 02.3	
PDAR	Pinedale Arroy	31.13	101	P	Pn	06 54 58.0	+2.6
PDAR	comp=N, 2.0nm, 0.7s, baz=315, slow=7.6, SNR=7.2						

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FULB, STYH, CHKH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like KURBB, WRA, ASAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like O22K, PWL, SKT, etc.

NVC 02:07:29:02.5,3.47:80N:84.15E,h0km,mb2.5,mpv2.2, Error ellipse: s-maj=4.2km s-min=2.0km az=85.0

SOME 02:07:29:08.0,47:95N:84.02E,h20km

ISC 02:07:29:09.5,1.1,61:41N:0.03:149:89W,0.06,h34km,7km, ML2.5,ML2.8/96(NEIC),Error ellipse: s-maj=4.1km s-min=3.8km az=101.0, Southern Alaska

ISC 02:07:13:10.6,1.3,61:42N:0.03:149:88W,0.06,h34km, Error ellipse: s-maj=4.2km s-min=3.8km az=103.0

ISC 02:07:13:11.1,1.1,61:41N:0.03:149:89W,0.06,h34km,7km, ML2.5,ML2.8/96(NEIC),Error ellipse: s-maj=4.1km s-min=3.8km az=101.0, Southern Alaska

ISC 02:07:29:02.5,3.47:80N:84.15E,h0km,mb2.5,mpv2.2, Error ellipse: s-maj=4.2km s-min=2.0km az=85.0

ISC 02:07:29:08.0,47:95N:84.02E,h20km

ISC 02:07:29:09.5,1.1,61:41N:0.03:149:89W,0.06,h34km,7km, ML2.5,ML2.8/96(NEIC),Error ellipse: s-maj=4.1km s-min=3.8km az=101.0, Southern Alaska

ISC 02:07:13:10.6,1.3,61:42N:0.03:149:88W,0.06,h34km, Error ellipse: s-maj=4.2km s-min=3.8km az=103.0

ISC 02:07:13:11.1,1.1,61:41N:0.03:149:89W,0.06,h34km,7km, ML2.5,ML2.8/96(NEIC),Error ellipse: s-maj=4.1km s-min=3.8km az=101.0, Southern Alaska

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like DAWY Dawson, M17K Holtina River, M16K Timber Creek, etc.

IDC 02:57:49.7, 0.4, 2.00S:139.07E, h0km, mb4.6/22, mbtmp4.7/25, ML4.5/2, MS4.0/31, Error ellipse: s-maj=16.0km s-min=11.0km az=72.0

Table with columns: Code, Station Name, Az, El, Op, P, Res, Time, Res. Includes stations like SMP1 Sarmi, GEN1 Genyem, etc.

Main table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like FAKI Fak Fak, SWI Sorong, SAUI Saumlaki, etc.

Main table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like YNG Young, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H1N12 WAKE ISLAND HY 28.27 120 T, H1N11 WAKE ISLAND HY 28.28 120 T, etc.

JMA 02 08:48:31.9-1.1, 47°N, 145°05'E, 1'0, h364km, MV3.8/11, KURILE ISLANDS REGION
IDC 02 08:48:33.0-1.6, 48°11'N, 148°09'E, h379km, 18km, mb3.1/12, mbtmp3.9/19, Error ellipse: s-maj=20.9km s-min=12.9km az=140.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NEM2 Nemuro 2 4.95 207 eP, JTKR Abashiri-Toko 5.16 224 eP, etc.

IDC 02 08:56:17.5-4.0, 6.77S, 127.48E, h278km, 41km, mb3.0/3, mbtmp3.7/7, Error ellipse: s-maj=51.2km s-min=14.3km az=62.0
DJA 02 08:56:25.4-1.1, 7°S, 12°12'7E, 1'0, h267km, 21km, M4.05, mb3.6/1, MLV4.3/5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SOEI Soe 4.12 226 P, BATI Baumata 4.86 227 P, etc.

DJA 02 09:15:38.4-0.6, 1°N, 14°12'7E, h31km, 9km, M3.2/7, MLV3.2/7
IDC 02 09:15:23.7-1.9, 0.24N, 125.47E, h0km, mb3.6/3, mbtmp3.6/3, Error ellipse: s-maj=180.9km s-min=24.8km az=64.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate 1.97 75 Op, LBMI Labuha 2.21 113 P, etc.

IDC 02 09:39:55.3-2.0, 29.9S, 170.31E, h174km, 41km, mb3.6/3, mbtmp4.0/4, Error ellipse: s-maj=100.6km s-min=76.8km az=160.0
NEIC 02 09:39:55.4-0.7, 21.1S, 0.2x170.4E, 0.1, h166km, 15km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty 2.45 259 Op, MARNC Mare, Loyalty 2.45 259 P, etc.

mb4.2/13, Error ellipse: s-maj=21.7km s-min=19.6km az=173.0
NOU 02 09:39:59.6, 21°37'S, 170°25'E, h140km, MLV4.0/10, Southeast of Loyalty Islands
ISC 02 09:39:51.8-1.8, 21.0S, 0.2x170.6E, 0.1, h150km, n29, s=153/29, mb4.2/10, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CAN Canberra 23.71 228 P, STKA Stephens Creek 28.05 241 P, etc.

NEIC 02 09:42:51.2-0.4, 36.76N, 0.01x98.05W, 0.02, h8km, 5km, Error ellipse: s-maj=2.8km s-min=0.7km az=121.0
NEIC 02 09:42:51.2-0.6, 36.76N, 0.004x98.04W, 0.02, h5km, 2km, mb_Lg2.4/11, ML2.7/3, ML3.1/23, Error ellipse: s-maj=3.0km s-min=2.7km az=115.0, Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GC02 Grant County # 0.17 58 P, KAN14 Manchester OK 0.20 18 P, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BLOK Blackwell 0.66 90 P, NOKA Waynoka 0.73 260 P, etc.

NIED 02 09:44:26.1, 36°18'N, 140°11'E, h51km, MW3.7, Moment Tensor Solution, s Moment tensor: Scale 10^14Nrg
Mn2.73; Mw-3.22; Mw0.50; Mw0.89; Mw-0.54; Mw1.97; Fault plane solution: M0: 6.40000x10^14 NP1: 0.283, 0.00000, 0.825, 0.00000, 1.129, 0.00000. NP2: 0.62, 0.00000, 0.871, 0.00000, 0.74, 0.00000.
IDC 02 09:44:26.9-2.2, 36°19'N, 140°03'E, h65km, 17km, mb3.5/13, mbtmp3.7/15, Error ellipse: s-maj=19.2km s-min=18.0km az=69.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NIED 02 09:44:26.1, 36°18'N, 140°11'E, h51km, MW3.7, Moment Tensor Solution, etc.

JMA 02 09:44:26.1, 36°18'N, 140°11'E, h51km, MW3.7, 9/40, MV3.9/40, SW IBARAKI PREF
JMA Faj J1 at SW IBARAKI PREF
JMA 02 09:44:25.9-0.8, 36°20'N, 0.07x140°11'E, 0.05, h55km, 6km, n49, s=119/43, mb3.7/13, 7D, Near east coast of eastern

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honshu Yasato 0.07 67 iP, JYT Yasato 0.07 67 A, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H1N12 WAKE ISLAND HY 28.66 118 T, H1N11 WAKE ISLAND HY 28.66 118 T, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array 43.87 295 P, BVAR Borovoye Array 47.92 307 P, etc.

SJA 02 09:46:35.1-0.7, 23°07'S, 66°40'W, h244km, 11km, ML3.7, MW3.5
GUC 02 09:46:36.1-0.4, 23°14'S, 66°52'W, h237km, 7km, ML3.5
ISC 02 09:46:35.6-2.3, 23.09S, 0.05x66.46W, 0.06, h232km, 18km, n24, s=130/37, Jujuy Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SALTA Salta 1.14 175 eP, YJA Yavi 1.26 44 eP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PB09 IPOC Station P 2.88 296 eP, PB09 IPOC Station P 2.88 296 eP, etc.

HSPB	Hornsund (broa)	5.44 128	eP	Pn	10 40 10.3	-0.3
HSPB			eS	Sn	10 41 11.4	-1.7
HSPB			IAML		10 41 12.1	
comp=Z,9.6nm,0.5s						
HOPEN	Hopen	7.12 114	Pn	Pn	10 40 31.7	-1.9
HOPEN			Sn	Sn	10 41 48.5	-5.9
HOPEN	Hopen	7.12 114	eP	Pn	10 40 31.6	-1.9
HOPEN			eS	Sn	10 41 46.7	-7.7
HOPEN			IAML		10 41 49.4	
comp=Z,14nm,0.8s						
HOPEN	Hopen	7.12 114	eP	Pn	10 40 31.8	-1.9
HOPEN			eS	Sn	10 41 45.6	-8.8
DBG	Daneborg	7.55 216	Pn	Pn	10 40 40.1	+0.6
DBG			Sn	Sn	10 42 00.3	-4.7
DBG	Daneborg	7.55 216	iP	Pn	10 40 39.8	+0.2
DBG	Daneborg	7.55 216	iP	Pn	10 40 39.8	+0.2
ZF12	Zemlya Franca-	7.92 66	eP	Pn	10 40 41.8	-2.6
ZF12			eS	Sn	10 42 02.6	-1.2
comp=Z,20nm,3.1s						
OMEGA	Omega	7.95 66	eP	Pn	10 40 41.8	-3.1
OMEGA			eS	Sn	10 42 02.6	-1.2
comp=Z,1.8nm,3.2s						
NEEM	North Greenland	9.25 272	iP	Pn	10 41 01.3	-1.7
NEEM	North Greenland	9.25 272	iP	Pn	10 41 01.3	-1.7
JMIC	Jan Mayen	10.15 189	Pn	Pn	10 41 01.1	-1.9
comp=Z,3.5nm,0.3s,baz=112,slow=7.4,SNR=6.4						
SUMG	Summit	11.29 241	iP	Pn	10 41 29.3	-1.7
SUMG	Summit	11.29 241	iP	Pn	10 41 29.3	-1.7
SCO	Scoresbysund	11.38 212	iP	Pn	10 41 29.6	-2.3
SCO	Scoresbysund	11.38 212	iP	Pn	10 41 29.6	-2.3
KULLO	Kullorsuaq	12.40 258	iP	Pn	10 41 42.1	-3.8
KULLO	Kullorsuaq	12.40 258	iP	Pn	10 41 42.1	-3.8
VADS	Vadso	13.35 126	Pn	Pn	10 41 58.2	-0.6
ARAO	ARCESS Array S	13.43 132	Pn	Pn	10 41 59.8	-0.1
ARAO	ARCESS Array S	13.43 132	Pn	Pn	10 41 59.8	-0.1
comp=Z,0.2nm,0.3s,baz=352,slow=7.4,SNR=15						
ARCES	ARCESS Array B	13.43 132	Pn	Pn	10 41 59.8	-0.1
comp=Z,3.1nm,0.7s						
UPNV	Upernavik	13.74 263	iP	Pn	10 41 58.5	-5.5
UPNV	Upernavik	13.74 263	iP	Pn	10 41 58.5	-5.5
NUUG	Nuugaatsiaq	14.37 257	iP	Pn	10 42 07.8	-4.8
NUUG	Nuugaatsiaq	14.37 257	iP	Pn	10 42 07.8	-4.8
ICESG	Greenland Ices	14.65 236	iP	Pn	10 42 13.8	-3.0
ICESG	Greenland Ices	14.65 236	iP	Pn	10 42 13.8	-3.0
UMMG	Ummannaq	14.97 254	iP	Pn	10 42 14.9	-5.9
UMMG	Ummannaq	14.97 254	iP	Pn	10 42 14.9	-5.9
RES	Resolute Bay	17.95 300	P	Pn	10 42 53.8	-5.0
comp=Z,3.8nm,0.8s,baz=29,slow=13,SNR=16						
RES			Sn	Sn	10 46 01.1	-1.8
RES			LR	LR	10 50 05.2	
SFJD	Kangerlussuaq	18.12 247	P	Pn	10 42 56.1	-4.8
comp=Z,4.0nm,0.4s,baz=21,slow=13,SNR=5.3						
SFJD			Sn	Sn	10 46 02.3	-2.0
SFJD			LR	LR	10 50 26.2	
SFJD			LR	LR	10 50 26.2	
FINES	FINESSE Array B	21.32 139	P	P	10 43 37.6	+1.4
comp=Z,8.5nm,1.2s,baz=342,slow=12,SNR=5.8						
NR1K	Noril'sk	22.79 66	P	P	10 43 55.9	+4.1
comp=Z,2.4nm,0.8s,baz=356,slow=11,SNR=3.8						
YKA	Yellowknife Ar	31.92 305	P	P	10 45 15.4	+0.8
comp=Z,0.4nm,0.9s,baz=74,slow=32,SNR=5.5						
YKA			PcP	PcP	10 48 05.7	+1.3
comp=Z,0.1nm,0.6s,baz=17,slow=3.2,SNR=4.1						
AKASG	Malin Array Be	32.23 139	P	P	10 45 19.6	+2.1
comp=Z,0.4nm,0.5s,baz=351,slow=8.6,SNR=2.0						
ILAR	Eielson Array	33.02 332	P	P	10 45 24.9	+0.6
comp=Z,1.6nm,1.1s,baz=6.8,slow=8.4,SNR=6.8						
BVAR	Borovoye Array	35.63 94	P	P	10 45 49.8	+2.8
comp=Z,0.3nm,0.5s,baz=348,slow=6.5,SNR=2.1						
BVAR			LR	LR	11 02 00.8	
ZALV	Zalesovo Beam	36.99 79	P	P	10 46 01.0	+2.4
comp=Z,0.2nm,0.3s,baz=342,slow=9.1,SNR=1.7						
ZALV			LR	LR	11 04 42.7	
comp=Z,39nm,18.1s,baz=343,slow=42						
KURBB	Kurchatov Arra	39.23 87	P	P	10 46 19.2	+1.7
comp=Z,0.9nm,0.9s,baz=342,slow=7.9,SNR=5.9						
KURBB			LR	LR	11 05 22.6	
comp=Z,53nm,19.2s,baz=172,slow=40						
KBZ	Khabaz	40.68 126	P	P	10 46 31.4	+1.8
comp=Z,1.9nm,0.9s,baz=356,slow=9.0,SNR=2.1						
ULM	Lac du Bonnet	41.09 283	P	P	10 46 33.6	+0.6
comp=Z,2.6nm,0.6s,baz=24,slow=8.5,SNR=5.6						
MKAR	Makanchi Array	43.55 84	P	P	10 46 54.4	+1.4
comp=Z,0.3nm,0.7s,baz=325,slow=6.1,SNR=4.0						
MKAR			LR	LR	11 09 00.6	
comp=Z,32nm,18.3s,baz=330,slow=42						
BRTR	Reskin Array B	43.55 137	P	P	10 46 55.4	+2.2
comp=Z,0.3nm,0.4s,baz=323,slow=7.2,SNR=3.8						
NEW	Newport	46.11 302	LR	LR	11 05 51.9	
comp=Z,131nm,18.6s,baz=354,slow=35						
SONM	Songino Array	46.12 61	P	P	10 47 15.1	+1.5
comp=Z,0.2nm,0.3s,baz=339,slow=5.5,SNR=5.0						
SONM			LR	LR	11 07 46.1	
comp=Z,72nm,18.4s,baz=320,slow=38						
AAK	Ala-Archa	46.38 93	LR	LR	11 07 45.9	
comp=Z,24nm,21.7s,baz=398,slow=37						
PDAR	Pinedri Array	50.45 293	P	P	10 47 46.4	-0.8
comp=Z,0.1nm,0.5s,baz=355,slow=7.8,SNR=2.4						
YBH	Yreka Blue Hor	53.26 305	LR	LR	11 11 47.2	
comp=Z,0.3nm,0.7s						
NKL	Tuckaleehee C	53.45 266	LR	LR	11 12 25.3	
comp=Z,65nm,19.1s,baz=330,slow=38						
TVAR	Mina Array Bea	55.93 300	P	P	10 48 28.4	+0.8
comp=Z,0.6nm,0.9s,baz=29,slow=3.4,SNR=4.2						
ANMO	Albuquerque	57.66 288	LR	LR	11 14 35.4	
comp=Z,46nm,18.7s,baz=162,slow=37						
PFO	Pinyon Flats O	60.41 298	LR	LR	11 15 52.6	
comp=Z,77nm,20.1s,baz=318,slow=37						
TXAR	Lajitas Array	62.74 285	P	P	10 49 15.0	+0.4
comp=Z,0.6nm,0.8s,baz=3.6,slow=8.8,SNR=3.8						
TXAR			LR	LR	11 17 20.8	
comp=Z,44nm,18.2s,baz=324,slow=37						
TORD	Tordi Ar. Bea	67.94 174	P	P	10 49 48.7	+0.5
comp=Z,0.4nm,0.8s,baz=336,slow=6.6,SNR=2.2						
CMAR	Chiang Hai Ar	73.87 74	P	P	10 50 25.2	+0.9
comp=Z,0.3nm,0.6s,baz=359,slow=5.6,SNR=6.8						
CMAR			LR	LR	11 26 19.3	
comp=Z,19nm,18.0s,baz=300,slow=38						

RAO	Raoul Island	1.84 244	Pn	Pb	11 10 30.5	-0.3
94nm,0.3s,baz=90,slow=23,SNR=1.8						
RAO			Sn	Sg	11 10 55.2	-0.1
URZ	Urewera	11.32 209	Pn	Pn	11 12 37.6	-1.7
0.2nm,0.3s,baz=215,slow=23,SNR=1.2						
URZ			Sn	Sn	11 14 47.4	+0.8
URZ			LR	LR	11 16 32.4	
comp=Z,27nm,19.9s,baz=73,slow=35						
DZM	Mont Dzumac	17.08 288	LR	LR	11 18 26.2	
comp=Z,72nm,18.3s,baz=34,slow=30						
ASAR	Alice Springs	44.98 264	P	P	11 18 13.4	-0.1
0.3nm,0.4s,baz=105,slow=7.0,SNR=15						
WRA	Warramunga Arr	45.80 269	P	P	11 18 18.8	-1.4
0.2nm,0.4s,baz=107,slow=7.9,SNR=9.9						
AKASG	Malin Array Be	150.73 326	PKIKP	PKIKP	11 29 50.5	-0.3
1.1nm,0.7s,baz=60,slow=0.7,SNR=6.5						

NEIC 02 11:12:14.6±1.1, 61.55N:0.03:149.98W:0.05, h42km,6km, Error ellipse: s-maj=3.9km s-min=3.4km az=181.0
 AEIC 02 11:12:15.3±1.0, 61.53N:0.02:149.97W:0.05, h37km,5km, Error ellipse: s-maj=3.5km s-min=3.2km az=62.0
 ISC 02 11:12:15.0±1.0, 61.53N:0.03:149.97W:0.03, h33km,2km, n226,e0971/243, Southern Alaska

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
M22K	Willow	0.24 342	Op	11 12 20.0	+0.2
M22K	Willow	0.24 342	P	11 12 21.9	+0.2
baz=162					
FIS	Fire Island	0.40 198	Pb	11 12 28.6	+1.8
FIS			IAML	11 12 34.1	
PMR	Palmer	0.41 80	Pb	11 12 23.3	-0.9
PMR			Pb	11 12 31.1	+0.6
PMR			IAML	11 12 32.0	
PMR			IAML	11 12 32.9	
PMR			P	11 12 23.7	-0.5
PMR			S	11 12 31.1	+0.6
RC01	Rabbit Creek A	0.45 166	Pb	11 12 24.4	-0.5
RC01	Rabbit Creek A		IAML	11 12 32.5	+0.8
RC01			IAML	11 12 33.6	
RC01			IAML	11 12 33.7	
RC01			P	11 12 24.6	-0.3
RC01			S	11 12 32.7	+1.0
GHO	Glory Hole Cre	0.56 63	Pn	11 12 25.8	-0.8
GHO			IAML	11 12 34.9	+0.1
GHO			IAML	11 12 35.4	
GHO			IAML	11 12 36.1	
KNK	Knik Glacier	0.73 98	Pn	11 12 28.5	-0.6
KNK	Knik Glacier	0.73 98	P	11 12 28.4	-0.6
SML	Sawmill	0.83 70	Pn	11 12 29.1	-1.3
SML			IAML	11 12 44.0	-0.5
SML			IAML	11 12 44.5	
SML			Pn	11 12 29.3	-1.1
SML			S	11 12 41.0	-0.5
SKT	Skwentna	0.87 302	Pn	11 12 29.7	-1.2
SKT			Sn	11 12 41.6	-0.9
SKT			P	11 12 29.6	-1.2
SKT			S	11 12 41.6	-0.9
CUT	Chulitna	0.89 351	Pn	11 12 30.1	-1.0
CUT			IAML	11 12 42.4	-0.5
CUT			Pn	11 12 30.1	-1.0
CUT			S	11 12 42.5	-0.4
STLK	Strandline Lak	0.89 269	Pn	11 12 30.4	-0.9
CAPN	Captain Cook N	0.95 218	Pn	11 12 32.9	+0.7
SPCG	Spurr Capps GI	1.01 257	Pn	11 12 32.4	-0.6
SPCG			Sn	11 12 45.9	-0.3
SLKM	Skilak Lake	1.03 187	IAML	11 12 32.3	-0.9
SLKM			IAML	11 12 48.9	
PWL	Port Wells	1.04 130	Pn	11 12 32.8	-0.4
PWL			Sn	11 12 47.5	+1.0
PWL			P	11 12 32.5	-0.7
PWL			S	11 12 47.6	+1.0
O22K	Cooper Landing	1.06 173	Pn	11 12 32.8	-0.6
O22K	Cooper Landing	1.06 173	P	11 12 32.7	-0.7
SPU	Mount Spurr	1.06 252	Pn	11 12 32.9	-0.7
SPU			Sn	11 12 47.3	+0.0
SPU			IAML	11 12 48.5	
SPU			IAML	11 12 48.8	
M23K	Glacier View	1.10 75	Pn	11 12 33.3	-0.8
M23K	Glacier View	1.10 75	P	11 12 33.3	-0.8
SPCR	Spurr Chakacha	1.13 254	Pn	11 12 33.9	-0.6
SPCR	Spurr Chakacha	1.13 254	P	11 12 33.9	-0.6
SPBG	Spurr Blockage	1.19 258	Pn	11 12 34.8	-0.5
SCM	Sheep Creek Mo	1.30 75	Pn	11 12 36.5	-0.4
SCM			P	11 12 36.5	-0.4
WAT7	Susitna Watana	1.41 21	Pn	11 12 38.0	-0.4
SEW	Seward	1.45 170	Pn	11 12 37.6	-1.3
SEW	Seward	1.45 170	P	11 12 38.9	0.0
WAT1	Susitna Watana	1.47 26	Pn	11 12 38.7	-0.4
WAT1	Susitna Watana	1.47 26	P	11 12 38.7	-0.4
WAT6	Susitna Watana	1.49 44	Pn	11 12 38.9	-0.7
WAT6	Susitna Watana	1.49 44	P	11 12 38.9	-0.7
RDT	Redoubt	1.52 232	Pn	11 12 39.2	-0.7
GLI	Glacier Island	1.54 114	Pn	11 12 39.1	-0.9
GLI	Glacier Island	1.54 114	P	11 12 39.1	-0.9
M20K	Styx River	1.55 285	Pn	11 12 40.1	-0.2
M20K			IAML	11 13 02.1	
M20K			IAML	11 13 02.2	
M20K			P	11 12 40.3	0.0
RJHK	Redoubt Jeurge	1.67 237	Pn	11 12 41.5	-0.5
PPLA	Purkeypile	1.72 324	Pn	11 12 42.2	-0.5
PPLA	Purkeypile	1.72 324	P	11 12 42.1	-0.7
RDSO	Redoubt South	1.73 233	Pn	11 12 42.2	-0.6
RDBW	Redoubt West	1.75 235	Pn	11 12 42.5	-0.6
RED	Redoubt Volcan	1.76 232	Pn	11 12 42.6	-0.7
BRLK	Bradley Lake	1.83 195	Pn	11 12 43.4	-0.7
BRLK			IAML	11 13 09	

2019 JAN

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Position, Date, Time, Residual. Includes entries like M27K Holitna River, J19K Poorman, etc.

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Position, Date, Time, Residual. Includes entries like M13K Dall Lake, E22K Anaktuvuk Pass, etc.

Table with columns: ID, Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Position, Date, Time, Residual. Includes entries like BRTR Keskin Array B, BRDH Barhadaha, etc.

0.3nm,1.0s

JMA 02 12:25:58.9,0.1,40.11N,0.3:142.5E,0.7,h34km,1km,
M03.8/39,MV4.0/39,NE OFF IWATE PREF
JMA Felt J1 at NE OFF IWATE PREF
NIED 02 12:25:58.9,40.13N,142.48E,h34km,MW4.1,Moment
Tensor Solution, s3 Moment tensor: Scale 10^19Nm,
Mn0.96, Mw-0.26, Mx0-0.70, My0-0.52, Mz0-0.24; Mw0.88;
Fault plane solution: Ms=1.950000; NP1:
p201.00000; s20.00000; l83.00000; NP2:p29.00000;
s70.00000; l93.00000
IDC 02 12:26:02.3,2.2,40.23N,142.44E,h64km,16km,mb3.6/13,
mbtmp3.9/16,MS3.2/11 Error ellipse: s-maj=26.8km
s-min=11.6km az=119.0
ISC 02 12:25:56.8-1.7,40.16N,142.51E,0.06,h16km,9km,
n43,0.1f38/38,mb3.9/13,MS3.5/6,18D,Near east coast of
eastern Honshu

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

TAP 02 12:27:21.6,24.72N,121.91E,h80km,ML3.9,B
JMA 02 12:27:21.6,24.72N,121.91E,0.5,h83km,2km,
MV3.2/13,TAIWAN REGION
ISC 02 12:27:21.6-1.2,24.74N,121.92E,0.02,h83km,5km,
n138,0.1f37/259,390-6D,Taiwan

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

2019 JAN

Main table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists a large number of seismic stations and their associated data points.

2d 12h

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

DJA 02 12:30:38.5,17.11'S,6.12'E,1.2,h24km,18km,M4.4/8,
mb4.6/3,MLV4.4/8
ISC 02 12:30:38.8-0.9,11.28S,0.09,125.31E,0.07,h10km,n19,
0.1f24/21,Timor Sea

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

SCB 02 12:35:23.2,0.8,20.77S,66.63W,h239km,8km,ML3.4/3,
ASIA
POC V3.7,Error ellipse: s-maj=4.2km s-min=4.0km az=0.0
SJA 02 12:35:23.0,20.77S,66.63W,h239km,ML3.4/3
IDC 02 12:35:26.8,1.8,19.95S,68.39W,h371km,190km,mb2.9/2,
mbtmp3.5/3,Error ellipse: s-maj=593.8km s-min=26.9km
az=113.0

ISC 02 12:35:22.6,1.0,20.72S,65.05,66.64W,0.05,h233km,n30,
0.1f48/34,Southern Bolivia

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

202 13h

Table with columns: GOO2, PB14, PLCA, TORO, etc. listing station names, times, and phases.

2019 JAN

Table with columns: TMTI, TNGT, SGTI, etc. listing station names, times, and phases.

Table with columns: B20K, IMAR, VNSA, etc. listing station names, times, and phases.

IDC 02 12:38:36.5i.1.6.35i.48s:175i.27E,h0km,mb3.8/4,

mbtmp3.8/6,ML3.6/2,MS3.4/8,Error ellipse: s-maj=47.3km

s-min=23.4km az=52.0

WEL 02 12:38:30.0i.0.7.36i.5i.17i.5Ei,h12km,M4.0/13,

ML4.1/12,MLV4.0/13,Error ellipse: s-maj=7.3km

s-min=3.3km az=39.4

WEL 02 12:38:37.8i.35i.79S:174i.97E,h5km,ML4.2,Mw4.2,

Moment Tensor Solution, s10 Moment tensor: Scale

105Nm; Mw=1.37; Mw1.13; Mw0.24; Mw-0.86; Mw2.03;

Mw-0.46; Fault plane solution: Mw2.3300x1015 NPT;

qs=75.00000i,-664.00000i,-1.56.00000i- NP2=199.00000i,

342.00000i,-139.00000i Principal axes: T 2.9746,

Plg12.00000i, Pl-1.9177, Plg30.00000i,

Azm238.00000i, P-1.6830, Plg57.00000i, Azm32.00000i;

Stations used: WJCZ KUZ MKAZ TOZ HIZ MXZ RTZ VRZ

OTVZ BKZ OBLIQUE-NORMAL FAULTING

ISC 02 12:38:37.1i.6.35i.79S:0.05i.174i.97Ei.0.04,h5km,1.0km,

n79,i154/82,mb3.8/4,MS3.3/6,North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing various stations and their parameters.

Table with columns: FAKI, FAKI, FAKI, etc. listing station names, times, and phases.

Table with columns: BAKI, BAKI, MYLDM, etc. listing station names, times, and phases.

Table with columns: YULB, YULB, TPUB, etc. listing station names, times, and phases.

Table with columns: WRAB, WRAB, WRA, etc. listing station names, times, and phases.

Table with columns: WBE2, WBE2, MBWA, etc. listing station names, times, and phases.

Table with columns: ASAR, ASAR, ASAR, etc. listing station names, times, and phases.

Table with columns: CMAR, CMAR, KRSR, etc. listing station names, times, and phases.

Table with columns: MAJO, MAJO, MJAR, etc. listing station names, times, and phases.

Table with columns: XAN, XAN, XAN, etc. listing station names, times, and phases.

Table with columns: BBOO, BBOO, STKA, etc. listing station names, times, and phases.

Table with columns: SHL, SHL, USOB, etc. listing station names, times, and phases.

Table with columns: USRK, USRK, USRK, etc. listing station names, times, and phases.

Table with columns: SNI, SNI, SNI, etc. listing station names, times, and phases.

Table with columns: SOBM, SOBM, SOBM, etc. listing station names, times, and phases.

Table with columns: PEAOB, PEAOB, PEAOB, etc. listing station names, times, and phases.

Table with columns: YAKI, YAKI, MK31, etc. listing station names, times, and phases.

Table with columns: MKAR, MKAR, MKAR, etc. listing station names, times, and phases.

IDC 02 12:52:04.8i.1.6.10i.37S:108i.67E,h0km,mb4.0/7,

mbtmp4.0/8,ML4.0/1,MS2.8/1,Error ellipse: s-maj=93.6km

s-min=18.1km az=45.0

DJA 02 12:52:05.7i.0.4.10i.5i.4i.10i.8Ei,h10km,M4.5/18,

mb5.3/3,mb4.7/6,ML4.4/18,Mw(mb)4.7/3

ISC 02 12:52:05.4i.0.8.10i.50S:0.10i.108i.49Ei.0.06,h10km,n35,

o494/36,mb4.2/8,South of Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing various stations and their parameters.

Table with columns: WRA, WRA, WRA, etc. listing station names, times, and phases.

Table with columns: ASAR, ASAR, ASAR, etc. listing station names, times, and phases.

Table with columns: CMAR, CMAR, KSH, etc. listing station names, times, and phases.

Table with columns: MKAR, MKAR, KURB, etc. listing station names, times, and phases.

Table with columns: ZALV, ZALV, BVAR, etc. listing station names, times, and phases.

IDC 02 13:03:07.0i.0.6.54i.93N:164i.68E,h0km,mb4.1/26,

mbtmp4.1/30,ML4.3/4,MS3.3/25,Error ellipse:

s-maj=14.9km s-min=11.6km az=157.0

NEIC 02 13:03:07.9i.1.54i.8N:0.1i.164i.7E:0.1,h10km,1km,

mb4.5/28,Error ellipse: s-maj=18.8km s-min=13.6km

az=162.0

KRSC 02 13:03:07.5i.1.4.54i.80N:164i.67E,h59km,27km,M4.4,

ML4.5

MOS 02 13:03:09.3i.0.9.54i.81N:164i.71E,h52km,mb4.6/12,Error

ellipse: s-maj=6.7km s-min=5.2km az=88.7

ISC 02 13:03:09.0i.2.6.54i.80N:0.04i.164i.74E:0.04,h16km,16km,

n177,i154/192,mb4.3/53,MS3.5/22,10C,SD

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing various stations and their parameters.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like KOK, Koryaka, DALX, Dalky, PET, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like KSRS, Korea Array, H1N2, WAKE ISLAND, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like NB2, NORSTAR, SCHO, Scheferville, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like H01W1, H08S2, H08S3, etc.

Table with columns: DAV, LR, LR, Time, Res, ISC. Rows include stations like DAV, SGSI, TNSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Wana, Wana, Wana, etc.

ISC 02 13:34:07.0.0.33.92N.141.56E, h0km, mb3.7/10, mbmp4.2/19, MS3.5/3, Error ellipse: s-maj=25.1km s-min=20.3km az=55.0

JMA 02 13:34:12.2.0.7.34 N.1.14.2E, h30km,3km, MV3.1/2, FAR SE OFF BOSO PEN

ISC 02 13:34:11.3.0.8.33.94N.07.141.58E, h24km, n25, o594/26, mb3.7/10, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like B0S1, B0S2, B0S3, etc.

Table with columns: DAV, LR, LR, Time, Res, ISC. Rows include stations like H11S1, H11S2, H11S3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Wana, Wana, Wana, etc.

ISC 02 13:35:52.9.0.6.5.66N.126.52E, h0km, mb4.2/19, mbmp4.2/19, MS3.5/3, Error ellipse: s-maj=37.5km s-min=14.1km az=69.0

DJA 02 13:35:59.4.1.1.6.1N.3.12.6E, h22km, 10km, M4.5/8, mB5.0/1, mb4.6/7, MLV4.5/8, Mw(MB)4.9/17

NEIC 02 13:36:01.4.1.5.5.59N.07.126.4E.0.1, h58km, 2km, mb4.6/21, Error ellipse: s-maj=18.4km s-min=9.0km az=69.0

ISC 02 13:36:01.7.0.4.5.53N.07.126.4E.0.09, h66km, n68, o126/64, mb4.5/32, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DAV, DAV, DAV, etc.

Table with columns: DAV, LR, LR, Time, Res, ISC. Rows include stations like ARCES, SPITS, FINES, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Wana, Wana, Wana, etc.

Table with columns: GURO, Guroymak-BITLI, 72.48 314, P, Iamb, P, 13 51 48.5 +1.0, 13 51 49.8, etc.

Table with columns: AKASG, Malin Array Be, 85.20 322, P, P, 13 52 57.0 +0.2, 13 52 57.9, etc.

Table with columns: KRSC 02 14:02:58.5, 2.1, 48.10N, 156.50E, h16km, 30km, MI4.0, East of Kuril Islands, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, etc.

IDC 02 15:16:02.6+0.7, 61.46N, 150.13W, h55km, 5km, mb3.9/25, mbtmp4.1/30, MS3.4/19, Error ellipse: s-maj=1.4, 9.3km
 s-min=10.9km az=34.0
 ANF 02 15:16:02.8+0.3, 61.28N, 149.98W, h33km, 3km, ML4.5/69, ML4.5/99, Error ellipse: s-maj=1.2km s-min=1.0km az=174.0
 NEIC 02 15:16:02.6+1.8, 61.33N, 0.02:149.93W, 0.05, h47km, 4km, Error ellipse: s-maj=3.8km s-min=3.4km az=129.0
 Moment Tensor Solution. Moment tensor: Scale 10¹⁵Nm; Mw=2.04; Mb=0.33; Ms=1.70; Me=0.31; Mb=0.38; Mr=1.77; Fault plane solution: Ms2.6300Dx1015 NP1: $\phi=335.87000^\circ$; $\delta_2=45.0000^\circ$; $\lambda=112.99000^\circ$; NP2: $\phi=181.04000^\circ$; $\delta_6=70.0000^\circ$; $\lambda=79.47000^\circ$; Principal axes: T 2.4310, P1g21.0000, Azm263.0000; N 0.3667, P1g10.0000, Azm357.0000; $\lambda=2.7977$, P1g67.0000, Azm110.0000;
 AEIC 02 15:16:03.4+1.7, 61.31N, 0.02:149.95W, 0.05, h41km, 5km, ML4.2, mb4.4/64(NEIC), ML4.4/168(NEIC), Mw4.2/21(NEIC) Error ellipse: s-maj=3.7km s-min=3.3km az=126.0
 NEIC 02 15:16:03.5, 61.29N, 149.95W, h35km
 ISC 02 15:16:02.0+0.5, 61.33N, 0.03:149.95W, 0.03, h50km, 4km, m607, 1920/633, mb4.4/61, MS3.2/15, Southern Alaska

Code	Station Name	Lat	Lon	Op	ISC	h	m	ISC	Res
FIS	Fire Island	0.23	151	P	Pn	15	16	11.1	+0.7
RC01	Rabbit Creek A	0.26	156	Pn	Pn	15	16	10.4	-0.3
RC01				IAML		15	16	17.4	+0.3
RC01	comp=E, 29um, 0.7s					15	16	18.1	
RC01	comp=N, 36um, 0.3s					15	16	18.8	
RC01	Rabbit Creek	0.26	156	P	Pn	15	16	10.9	+0.1
M22K	Willow	0.43	349	Pn	Pn	15	16	12.2	-0.2
M22K				IAML		15	16	19.9	0.0
M22K	comp=N, 18um, 1.1s					15	16	21.8	
M22K	comp=E, 16um, 0.6s	0.43	349	P	Pn	15	16	12.2	-0.2
M22K	baz=172, SNR=471			S	Sn	15	16	19.9	0.0
PMR	Palmer	0.47	56	Pn	Pn	15	16	12.8	0.0
PMR				Sn	Pn	15	16	20.4	-0.4
PMR	Palmer	0.47	56	P	Pn	15	16	12.9	0.0
PMR	baz=234, SNR=932			S	Sn	15	16	21.1	+0.4
GHO	Glory Hole Cre	0.66	47	Pn	Pn	15	16	15.2	-0.2
GHO				IAML		15	16	25.1	+0.1
GHO	comp=E, 16um, 0.7s					15	16	27.7	
GHO	comp=N, 10um, 0.5s					15	16	28.5	
KNK	Knik Glacier	0.72	83	Pn	Pn	15	16	15.8	-0.2
KNK				Sn	Pn	15	16	27.3	+1.0
KNK				IAML		15	16	30.2	
KNK	comp=E, 19um, 0.6s					15	16	16.7	+0.6
KNK	Knik Glacier	0.72	83	P	Pn	15	16	16.7	+0.6
KNK	baz=261, SNR=1000			S	Sn	15	16	27.8	+1.5
CAPN	Captain Cook N	0.81	227	Pn	Pn	15	16	18.3	+1.1
CAPN	Captain Cook N	0.81	227	P	Pn	15	16	18.8	+1.7
SLKM	Skialak Lake	0.83	189	Pn	Pn	15	16	17.3	-0.2
SLKM				IAML		15	16	28.9	+0.1
SLKM	comp=E, 20um, 0.5s					15	16	30.8	
O22K	Cooper Landing	0.86	172	Pn	Pn	15	16	17.1	-0.6
O22K				Sn	Pn	15	16	29.5	+0.3
O22K	Cooper Landing	0.86	172	P	Pn	15	16	18.0	+0.2
O22K	baz=351, SNR=182			S	Sn	15	16	30.1	+0.8
SML	Sawmill	0.91	58	Pn	Pn	15	16	18.4	-0.2
SML				IAML		15	16	31.3	+0.6
SML	comp=N, 11um, 0.7s					15	16	34.2	
SML	comp=E, 11um, 0.7s	0.91	58	P	Pn	15	16	18.9	+0.4
SML	baz=238, SNR=664			S	Sn	15	16	32.1	+1.4
PWL	Port Wells	0.92	120	Pn	Pn	15	16	18.0	-0.6
PWL				Sn	Pn	15	16	31.0	+0.3
PWL	Port Wells	0.92	120	P	Pn	15	16	19.3	+0.7
PWL	baz=299, SNR=1000			S	Sn	15	16	32.3	+1.5
STLK	Strandline Lak	0.92	282	Pn	Pn	15	16	18.4	-0.3
STLK				IAML		15	16	33.5	
SKT	Skwentna	1.00	312	Pn	Pn	15	16	19.5	-0.2
SKT				IAML		15	16	32.7	0.0
SKT	comp=E, 16um, 0.5s					15	16	34.5	
SKT	comp=N, 11um, 0.6s					15	16	34.5	
SKT	Skwentna	1.00	312	P	Pn	15	16	20.1	+0.4
SKT	baz=132, SNR=481			S	Sn	15	16	34.0	+1.2
SPCG	Spurr Capps GI	1.00	269	Pn	Pn	15	16	20.3	+0.5
CUT	Chulitna	1.09	352	Pn	Pn	15	16	33.9	+1.0
CUT				IAML		15	16	21.0	+0.1
CUT	comp=N, 9um, 0.6s					15	16	36.1	+1.2
CUT	comp=N, 9um, 0.6s					15	16	39.0	
CUT	comp=N, 9um, 0.6s					15	16	39.0	
CUT	comp=E, 11um, 0.5s	1.09	352	P	Pn	15	16	41.5	
CUT	Chulitna	1.09	352	P	Pn	15	16	21.6	+0.8
CUT	baz=173, SNR=18			S	Sn	15	16	36.4	+1.5
SPCR	Spurr Chakacha	1.10	264	Pn	Pn	15	16	21.5	+0.4
SPCR	Spurr Chakacha	1.10	264	P	Pn	15	16	21.4	+0.4
SPCR	baz=84, SNR=440			S	Sn	15	16	36.3	+1.0
M23K	Glacier View	1.16	65	Pn	Pn	15	16	22.8	+0.9
M23K				Sn	Pn	15	16	39.1	+2.4
M23K	Glacier View	1.16	65	P	Pn	15	16	22.8	+0.9
M23K	baz=246, SNR=946			S	Sn	15	16	39.2	+2.5
SPBG	Spurr Blockage	1.17	268	Pn	Pn	15	16	22.6	+0.5
SEW	Seward	1.25	168	Pn	Pn	15	16	22.7	-0.4
SEW		1.25	168	P	Pn	15	16	22.9	-0.1
SCM	Sheep Creek Mo	1.35	67	Pn	Pn	15	16	42.9	+1.5
SCM	Sheep Creek Mo	1.35	67	P	Pn	15	16	25.5	+1.0
SCM	baz=249, SNR=397			S	Sn	15	16	43.8	+2.4
RDT	Redoubt	1.42	239	Pn	Pn	15	16	44.0	+1.0
GLI	Glacier Island	1.46	107	Pn	Pn	15	16	26.0	+0.1
GLI				IAML		15	16	45.5	
GLI	comp=N, 7um, 0.7s	1.46	107	P	Pn	15	16	26.2	+0.3
GLI	Glacier Island	1.46	107	P	Pn	15	16	26.2	+0.3
GLI	baz=288, SNR=110			S	Sn	15	16	45.0	+1.2
DFR	Drift River	1.52	242	Pn	Pn	15	16	27.3	+0.5
WAT7	Susitna Watana	1.60	19	Pn	Pn	15	16	28.8	+0.9
M20K	Styx River	1.62	291	Pn	Pn	15	16	29.3	+1.1
M20K				IAML		15	16	52.1	
M20K	comp=N, 3um, 0.9s	1.62	291	P	Pn	15	16	29.2	+1.1
M20K	Styx River	1.62	291	P	Pn	15	16	29.2	+1.1
WAT6	Susitna Watana	1.64	39	Pn	Pn	15	16	29.2	+0.8
WAT6	Susitna Watana	1.64	39	P	Pn	15	16	29.2	+0.8
WAT6	baz=220, SNR=121			S	Sn	15	16	50.1	+1.7
WAT6	baz=220			S	Sn	15	16	50.1	+1.7
BRLK	Bradley Lake	1.64	197	Pn	Pn	15	16	28.2	-0.1

BRLK	comp=N, 3um, 0.5s					15	16	53.4	
BRLK	Bradley Lake S	1.64	194	P	Pn	15	16	54.0	
BRSE	comp=E, 3um, 0.6s	1.64	194	P	Pn	15	16	28.5	+0.1
RDWB	Redoubt West	1.64	240	Pn	Pn	15	16	29.1	+0.5
WAT1	Susitna Watana	1.65	23	Pn	Pn	15	16	29.4	+1.0
WAT1	Susitna Watana	1.65	23	P	Pn	15	16	29.3	+0.8
WAT1	baz=204			S	Sn	15	16	51.4	+2.9
WAT1	baz=204			S	Sn	15	16	51.4	+2.9
FID	Port Fidalgo	1.79	107	Pn	Pn	15	16	29.6	-0.8
FID				IAML		15	16	54.3	
FID	comp=N, 5um, 0.6s					15	16	54.4	
O20K	Slope Mountain	1.81	228	P	Pn	15	16	31.8	+1.0
O20K	baz=46, SNR=67			S	Sn	15	16	55.1	+2.5
O20K	baz=46			S	Sn	15	16	55.1	+2.5
O20K	baz=46			S	Sn	15	16	55.1	+2.5
P23K	Montague Island	1.83	136	Pn	Pn	15	16	30.8	-0.2
P23K	Montague Island	1.83	136	P	Pn	15	16	30.6	-0.4
HOM	Home	1.87	207	Pn	Pn	15	16	31.3	-0.2
HOM	Home	1.87	207	P	Pn	15	16	32.3	+0.8
PPLA	Purkeypile	1.89	327	Pn	Pn	15	16	31.8	-0.1
PPLA	Purkeypile	1.89	327	P	Pn	15	16	33.0	+1.1
CNPM	China Pool	1.92	200	Pn	Pn	15	16	31.9	-0.3
CNPM				IAML		15	16	59.8	
CNPM	comp=E, 3um, 0.5s					15	17	00.3	
CNPM	comp=N, 2um, 0.4s					15	16	32.6	0.0
KLU	Klutina	1.94	83	Pn	Pn	15	16	32.6	0.0
KLU				IAML		15	17	10.6	
KLU	comp=N, 3um, 0.6s					15	17	10.6	
KLU	comp=N, 3um, 0.6s	1.94	83	P	Pn	15	16	33.4	+0.7
M24K	Tolsona, Glenn	1.96	65	Pn	Pn	15	16	34.6	+1.8
M24K				IAML		15	16	34.6	+1.8
M24K	comp=N, 4um, 1.0s	1.96	65	P	Pn	15	16	34.6	+1.8
M24K	Tolsona, Glenn	1.96	65	P	Pn	15	16	34.6	+1.8
DIV	Divide	2.03	94	Pn	Pn	15	16	33.8	0.0
ILS	Iliamna Low So	2.06	230	Pn	Pn	15	16	35.0	+0.8
ILS	Iliamna Southw	2.07	231	Pn	Pn	15	16	34.9	+0.5
ILS	Iliamna Southw	2.07	231	P	Pn	15	17	08.2</	

O16K	Kokwok River B	4.39 250	Pn	Pn	15 17 06.2 +0.2
O16K	comp=N,302nm,1.3s		IAML		15 18 24.0
O16K	comp=E,290nm,0.9s				15 18 38.6
O16K	Kokwok River B	4.39 250	P	Pn	15 17 06.5 +0.5
R18K	Kariuk	4.42 213	Pn	Pn	15 17 05.7 -0.7
R18K	comp=E,605nm,0.5s		IAML		15 18 07.5
R18K	Kariuk	4.42 213	P	Pn	15 17 06.6 +0.2
BVCV	Beaver Creek	4.44 72	P	Pn	15 17 08.4 +1.7
BVCV	Beaver Creek	4.44 72	P	Pn	15 17 08.3 +1.5
OHAK	Old Harbor	4.46 204	Pn	IAML	15 17 07.5 +0.5
OHAK	comp=E,227nm,1.2s				15 18 18.7
OHAK	Old Harbor	4.46 204	P	Pn	15 17 06.4 -0.5
H21K	Melozitna Rive	4.53 345	Pn	Pn	15 17 08.4 +0.4
H21K	Melozitna Rive	4.53 345	Pn	Pn	15 17 09.0 +1.0
YU3K	Moose Creek	4.56 80	Pn	Pn	15 17 09.4 +0.8
YU3K	Moose Creek	4.56 80	P	Pn	15 17 09.2 +0.6
L16K	Owhat River	4.58 279	Pn	IAML	15 17 08.8 +0.2
L16K	comp=N,228nm,0.8s				15 18 35.2
L16K	Owhat River	4.58 279	P	Pn	15 17 09.1 +0.6
H24K	Noodur Dome	4.62 11	P	Pn	15 17 11.6 +2.4
P16K	Nushagak River	4.63 244	P	Pn	15 17 10.0 +0.8
H22K	Ishaitaina Cre	4.63 353	P	Pn	15 17 10.4 +1.1
H22K	Ishaitaina Cre	4.63 353	P	Pn	15 17 11.4 +2.2
GCSA	Galena City Sc	4.66 320	P	Pn	15 17 10.5 +0.9
J17K	VABM Dome	4.73 300	Pn	IAML	15 17 10.3 -0.4
J17K	comp=E,214nm,0.9s				15 18 43.0
J17K	VABM Dome	4.73 300	P	Pn	15 17 11.0 +0.3
H20K	Anoteneega Mo	4.73 334	P	Pn	15 17 11.7 +1.0
O28M	Mount Upton	4.78 92	Pn	Pn	15 17 12.8 +1.2
O28M	Mount Upton	4.78 92	Pn	Pn	15 17 12.9 +1.2
YU8K	Steele Glacier	4.91 86	Pn	Pn	15 17 14.6 +1.2
YU8K	Steele Glacier	4.91 86	P	Pn	15 17 14.6 +1.2
PCA	Pinnacle	4.92 100	Pn	Pn	15 17 13.3 0.0
PINM	Pinnacle	4.92 100	Pn	Pn	15 17 13.2 -0.2
IMAR	Indian Mountai	4.97 342	Pn	Pn	15 17 14.0 +0.1
I26K	Coal Creek Min	5.03 35	Pn	IAML	15 17 15.5 +0.7
I26K	comp=N,344nm,0.8s				15 18 42.8
I26K	comp=E,270nm,0.8s				15 18 49.6
I26K	Coal Creek Min	5.03 35	P	Pn	15 17 16.5 +1.7
N15K	Kwethluk River	5.11 261	Pn	IAML	15 17 16.6 +0.8
N15K	comp=E,390nm,0.9s				15 18 46.7
N15K	Kwethluk River	5.11 261	P	Pn	15 17 16.7 +0.9
H19K	Rosinabout Mou	5.12 328	P	Pn	15 17 16.9 +0.9
M15K	Kasigiluk River	5.26 268	P	Pn	15 17 18.4 +0.5
M15K	Kasigiluk River	5.26 268	P	Pn	15 17 18.4 +0.5
EGAK	Eagle	5.29 45	Pn	Pn	15 17 19.4 +1.1
EGAK	Eagle	5.29 45	Pn	Pn	15 17 20.0 +1.8
J16K	Anvik River	5.34 296	Pn	IAML	15 17 19.1 +0.1
J16K	comp=N,166nm,0.8s				15 18 55.2
J16K	Anvik River	5.34 296	P	Pn	15 17 19.5 +0.4
O15K	Ungalikthiuk R	5.37 251	P	Pn	15 17 20.1 +0.7
H18K	Honhosa River	5.40 319	Pn	Pn	15 17 19.1 -0.7
H18K	Honhosa River	5.40 319	Pn	Pn	15 17 20.6 +0.7
G23K	Banana Creek	5.41 360	P	Pn	15 17 22.2 +2.3
G21K	Alakaket	5.44 345	P	Pn	15 17 22.4 +2.0
YU4K	Talbot Arm	5.45 85	P	Pn	15 17 22.3 +1.7
G24K	Hadweenciz Riv	5.50 10	Pn	Pn	15 17 22.7 +1.4
G24K	Hadweenciz Riv	5.50 10	Pn	Pn	15 17 23.4 +2.2
L15K	Ungalak Mounta	5.54 279	P	Pn	15 17 22.2 +0.5
M29M	Somme Creek	5.55 73	Pn	Pn	15 17 22.2 +0.3
M29M	Somme Creek	5.55 73	Pn	Pn	15 17 22.9 +0.9
K15K	Wolf Creek Mou	5.58 285	Pn	Pn	15 17 22.2 0.0
DAWY	Wolf Creek Mou	5.58 285	Pn	Pn	15 17 23.0 +0.8
K15K	Dawson	5.58 56	Pn	Pn	15 17 22.8 +0.4
DAWY	Dawson	5.58 56	Pn	Pn	15 17 23.6 +1.2
I17K	Unalakleet	5.58 302	Pn	Pn	15 17 22.7 +0.4
I17K	Unalakleet	5.58 302	Pn	Pn	15 17 23.2 +0.9
YU6K	Outpost Mounta	5.63 89	Pn	Pn	15 17 24.3 +1.1
YU6K	Outpost Mounta	5.63 89	Pn	Pn	15 17 24.3 +1.1
G22K	Bettles	5.66 354	P	Pn	15 17 25.4 +2.1
O29M	Mount Kennedy	5.66 95	Pn	Pn	15 17 24.0 +0.4
O29M	Mount Kennedy	5.66 95	Pn	Pn	15 17 24.5 +0.9
I27K	Kandik River	5.69 37	Pn	Pn	15 17 25.3 +1.4
I27K	Kandik River	5.69 37	Pn	Pn	15 17 25.5 +1.6
G25K	Bearman Lake	5.71 16	P	Pn	15 17 26.2 +2.2
G19K	Purcell Mounta	5.78 330	Pn	Pn	15 17 24.6 -0.3
G19K	Purcell Mounta	5.78 330	Pn	Pn	15 17 25.5 +0.6
H17K	Granite Mounta	5.79 313	Pn	Pn	15 17 25.9 +0.8
H17K	Granite Mounta	5.79 313	Pn	Pn	15 17 26.4 +1.3
L29M	L29M	5.81 67	Pn	Pn	15 17 26.2 +0.6
L29M	L29M	5.81 67	Pn	Pn	15 17 26.9 +1.4
M14K	Bethel	5.86 270	Pn	Pn	15 17 26.6 +0.5
M14K	Bethel	5.86 270	Pn	Pn	15 17 27.0 +0.9
COLD	Coldfoot	5.92 359	Pn	Pn	15 17 27.5 +0.5
COLD	Coldfoot	5.92 359	Pn	Pn	15 17 28.4 +1.4
N14K	Kuskokwak Cree	5.95 261	Pn	Pn	15 17 28.4 +1.1
N14K	Kuskokwak Cree	5.95 261	Pn	Pn	15 17 28.2 +1.0
O14K	Tiguykaiwet M	6.00 255	Pn	Pn	15 17 28.4 +0.4
O14K	Tiguykaiwet M	6.00 255	Pn	Pn	15 17 28.8 +0.8
G18K	Tagagivik	6.00 324	Pn	Pn	15 17 28.8 +0.7
G18K	Tagagivik	6.00 324	Pn	Pn	15 17 28.9 +0.9
HYT	Haines Junctio	6.06 89	Pn	Pn	15 17 29.5 +0.4
HYT	Haines Junctio	6.06 89	Pn	Pn	15 17 30.0 +0.9
I28M	Milner Creek	6.11 43	Pn	Pn	15 17 29.7 0.0
I28M	Milner Creek	6.11 43	Pn	Pn	15 17 29.9 +1.3
F21K	Alatna River	6.11 347	Pn	Pn	15 17 30.1 +0.5
F21K	Alatna River	6.11 347	Pn	Pn	15 17 31.0 +1.4
L14K	Kuka Creek	6.13 276	P	Pn	15 17 31.1 +1.3
H27K	Steamboat Moun	6.17 34	Pn	Pn	15 17 32.0 +1.5
N30M	Aishikik Lake	6.18 83	Pn	Pn	15 17 30.5 -0.1
N30M	Aishikik Lake	6.18 83	Pn	Pn	15 17 30.8 +0.1
G26K	Porcupine Rive	6.25 23	Pn	Pn	15 17 32.8 +1.4
F20K	Avaraart Lake	6.27 339	Pn	Pn	15 17 31.7 0.0

F20K	Avaraart Lake	6.27 339	P	Pn	15 17 33.4 +1.7
K29M	Barlow Dome	6.27 61	P	Pn	15 17 32.9 +1.0
P29M	Windu Craggy	6.27 100	Pn	Pn	15 17 32.5 +0.6
P29M	Windu Craggy	6.27 100	Pn	Pn	15 17 33.0 +1.1
F22K	John River	6.28 352	P	Pn	15 17 33.9 +2.0
F24K	Squaw Lake	6.28 7	P	Pn	15 17 34.3 +2.4
M30M	Minto, Yukon	6.33 73	P	Pn	15 17 34.1 +1.4
G17K	Kwik Mounta	6.37 316	P	Pn	15 17 34.8 +1.8
P30M	Million Dollar	6.49 95	Pn	Pn	15 17 34.5 -0.3
P30M	Million Dollar	6.49 95	Pn	Pn	15 17 35.6 +0.7
F19K	Shalercukik Mo	6.50 332	Pn	Pn	15 17 35.9 +1.1
F19K	Shalercukik Mo	6.50 332	Pn	Pn	15 17 36.3 +1.4
H16K	Elim	6.50 306	P	Pn	15 17 35.7 +0.8
H16K	Elim	6.50 306	P	Pn	15 17 36.1 +1.2
BMAR	Burnt Mountain	6.55 18	Pn	Pn	15 17 37.1 +1.5
J14K	Nanvaranak Lak	6.55 288	Pn	Pn	15 17 35.4 -0.2
J14K	Nanvaranak Lak	6.55 288	Pn	Pn	15 17 36.3 +0.7
F25K	Christian River	6.56 15	Pn	Pn	15 17 36.6 +0.9
F25K	Christian River	6.56 15	Pn	Pn	15 17 37.6 +1.8
G27K	Doyon Strip	6.59 30	Pn	Pn	15 17 36.3 +0.2
G27K	Doyon Strip	6.59 30	Pn	Pn	15 17 37.5 +1.4
M13K	Dall Lake	6.61 268	Pn	Pn	15 17 36.6 +0.2
M13K	Dall Lake	6.61 268	Pn	Pn	15 17 37.9 +1.6
CHGM	Chignik	6.68 225	Pn	Pn	15 17 37.0 -0.4
O30N	Mendenhall	6.75 89	P	Pn	15 17 38.1 -0.3
O30N	Mendenhall	6.75 89	P	Pn	15 17 38.9 +0.5
E23K	Chandalar	6.76 1	Pn	Pn	15 17 40.3 +1.8
E23K	Chandalar	6.76 1	Pn	Pn	15 17 39.6 +1.1
F18K	Selawik	6.79 325	Pn	Pn	15 17 39.4 +0.5
F18K	Selawik	6.79 325	Pn	Pn	15 17 40.2 +1.4
E24K	Your Creek	6.80 5	P	Pn	15 17 41.3 +2.2
F26K	Sheenjok River	6.86 19	Pn	Pn	15 17 41.0 +1.2
F26K	Sheenjok River	6.86 19	Pn	Pn	15 17 41.7 +1.9
E22K	Anaktuvuk Pass	6.88 354	P	Pn	15 17 39.5 -0.6
E22K	Anaktuvuk Pass	6.88 354	P	Pn	15 17 41.7 +1.6
G16K	Koyuk River	6.90 312	Pn	Pn	15 17 41.0 +0.6
G16K	Koyuk River	6.90 312	Pn	Pn	15 17 41.9 +1.5
MAYO	Mayo, Yukon	6.90 65	Pn	Pn	15 17 40.7 +0.3
MAYO	Mayo, Yukon	6.90 65	Pn	Pn	15 17 42.7 +2.3
E19K	Redstone River	6.91 336	Pn	Pn	15 17 41.5 +1.1
E19K	Redstone River	6.91 336	Pn	Pn	15 17 43.2 +2.7
PLBC	Pleasant Camp	6.99 100	P	Pn	15 17 44.2 +2.6
J30M	Hart River	7.01 56	Pn	Pn	15 17 41.4 -0.6
J30M	Hart River	7.01 56	Pn	Pn	15 17 43.9 +1.9
K13K	Kusilvak Mount	7.03 281	P	Pn	15 17 43.2 +1.0
E25K	Arctic Village	7.07 13	Pn	Pn	15 17 43.2 +0.5
E25K	Arctic Village	7.07 13	Pn	Pn	15 17 44.4 +1.6
H29M	Whitestone	7.09 41	P	Pn	15 17 43.9 +0.9
F17K	Baldwin Pennin	7.15 321	Pn	Pn	15 17 44.1 +0.4
F17K	Baldwin Pennin	7.15 321	Pn	Pn	15 17 46.3 +2.6
I30M	Mount Dempster	7.25 52	P	Pn	15 17 47.1 +1.7
E21K	Killik River	7.34 348	Pn	Pn	15 17 48.7 +2.3
E21K	Killik River	7.34 348	Pn	Pn	15 17 49.0 +2.6
TOLK	Toolik Lake Re	7.35 1	P	Pn	15 17 48.1 +1.6
TOLK	Toolik Lake Re	7.35 1	P	Pn	15 17 49.3 +2.8
G15K	Niukluk	7.35 306	P	Pn	15 17 46.3 -0.2
G15K	Niukluk	7.35 306	P	Pn	15 17 47.2 +0.6
WHY	Whitehorse	7.36 89	Pn	Pn	15 17 46.0 -0.7
WHY	Whitehorse	7.36 89	Pn	Pn	15 17 47.5 +0.7
M31M	Drury Creek, Y	7.43 76	P	Pn	15 17 49.9 +2.2
SKAG	Skagway	7.48 98	P	Pn	15 17 48.2 -0.1
G29M	Pine Creek	7.65 38	Pn	Pn	15 17 53.7 +3.1
E18K	Tukpalearik C	7.65 328	Pn	Pn	15 17 51.9 +1.2
E18K	Tukpalearik C	7.65 328	Pn	Pn	15 17 53.0 +2.3
F28M	Old Crow	7.66 30	Pn	Pn	15 17 51.1 +0.4
F28M	Old Crow	7.66 30	Pn	Pn	15 17 52.2 +1.4
D22K	Ayikak River	7.67 353	Pn	Pn	15 17 53.4 +2.5
D23K	Nanushuk River	7.68 358	Pn	Pn	15 17 53.2 +2.2
D23K	Nanushuk River	7.68 358	Pn	Pn	15 17 54.2 +3.3
S31K	Pelican	7.72 110	Pn	Pn	15 17 50.2 -1.4
ANNM	Nome	7.74 301	Pn	Pn	15 17 52.6 +0.8
ANNM	Nome	7.74 301	Pn	Pn	15 17 53.5 +1.7
E17K	Hotham Inlet	7.75 323	P	Pn	15 17 53.6 +1.7
E27K	Coleen River	7.75 24	Pn	Pn	15 17 51.7 -0.3
E27K	Coleen River	7.75 24	Pn	Pn	15 17 53.0 +1.0
D24K	Happy Valley	7.87 3	P	Pn	15 17 55.3 +1.7
D24K	Happy Valley	7.87 3	P	Pn	15 17 55.9 +2.2
F15K	North Star Dit	7.89 310	Pn	Pn	15 17 55.1 +1.1
F15K	North Star Dit	7.89 310	Pn	Pn	15 17 55.4 +1.5
FARO	Faro, Yukon	7.92 76	Pn	Pn	15 17 54.7 +0.3
FARO	Faro, Yukon	7.92 76	Pn	Pn	15 17 56.4 +2.0
D20K	Etiyuk River	7.93 342	P	Pn	15 17 57.0 +2.6
D19K	Kuna River	7.98 338	Pn	Pn	15 17 57.3 +2.1
M11K	Mekoryuk	7.99 270	Pn	Pn	15 17 56.3 +1.1
M11K	Mekoryuk	7.99 270	Pn	Pn	15 17 56.4 +1.1
C21K	Knifblade Rid	8.12 348	P	Pn	15 17 59.1 +2.1
N32M	Quiet Lake	8.14 84	Pn	Pn	15 17 56.8 -0.6
N32M	Quiet Lake	8.14 84	Pn	Pn	15 17

2d 15h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Lohw, NVAR, PD31, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MKAR, MAKZ, GTA, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like CTA, CTAO, STKA, etc.

WEL 02 15:37:31.0, 0.7, 33'S, 121°17'9"E, 277km, h229km, 277km, M3.97, mB4.3/3, ML4.3/4, MLv3.9/7, Mw(mB)3.4/3, Error ellipse: s-maj=37.9km s-min=4.8km az=113.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GLKZ, WMGZ, HAZ, etc.

IDC 02 15:39:29.7, 0.7, 27.92N; 54.28E, h0km, mb4.1/22, mbtmp4.1/24, ML4.1/2, MS3.6/34, Error ellipse: s-maj=16.9km s-min=13.2km az=115.0

MOS 02 15:39:30.6, 1.4, 28.01N; 54.30E, h12km, mb4.5/24, Error ellipse: s-maj=8.0km s-min=5.0km az=80.1

TEH 02 15:39:31.3, 28.01N; 54.31E, h16km, 21km, DSN 02 15:39:31.2, 1.2, 28.15N; 54.12E, h15km, ML4.0/15, Error ellipse: s-maj=16.1km s-min=4.9km az=16.0

NEIC 02 15:39:31.9, 1.8, 28.08N; 07.54E, 0.05, h10km, 1km, mb4.3/36, Error ellipse: s-maj=12.4km s-min=7.0km az=157.0

SGS 02 15:39:32.4, 28.20N; 54.49E, h6km, ML4.5, OMAN 02 15:39:35.7, 0.1, 27.88N; 54.26E, h10km, mb4.6/17, mH4.4/20, ms4.0/1, Error ellipse: s-maj=2.6km s-min=2.1km az=338.0

ISC 02 15:39:33.0, 0.3, 28.02N; 0.03, 54.30E, 0.03, h17km, n262, 170/286, mb4.4/56, MS3.7/35, 7C-7D, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LAR1, JHRM, GIR1, etc.

HATD	Hatta, Dubai	3.58 152	P	Pn	15 40 30.5 +2.7
HATD	Hatta, Dubai	3.58 152	S	Sn	15 41 11.8 +2.1
HATD	Hatta, Dubai	3.58 152	i/P	Pn	15 40 29.5 +1.8
KRMI	Kerman Provinc	3.59 46	Ph	Pn	15 40 29.7 +1.7
ASHO	Ashijyah	3.67 154	P	Pn	15 40 31.7 +2.6
ASHO	Ashijyah	3.67 154	S	Sn	15 41 15.8 +3.7
ASHO	Ashijyah	3.67 154	i/P	Pn	15 40 30.3 +1.2
SHMA	Al-Shehemia	3.68 235	P	Pn	15 40 31.6 +2.5
SHMA	Al-Shehemia	3.68 235	S	Sn	15 41 14.6 +2.6
IBAF	Bafgh	3.73 17	Ph	Pn	15 40 31.1 +1.2
KBAM	BAM	3.81 72	Ph	Pn	15 40 33.0 +1.9
JASK	Jask - Hormozg	3.83 123	Ph	Pn	15 40 32.0 +0.7
JASK	Jask - Hormozg	3.83 123	P	Pn	15 40 35.3 +4.0
JASK	Jask	3.93 240	S	Sn	15 41 18.0 +2.0
SAKB	Bahrain	4.13 337	Ph	Pn	15 40 35.5 +2.9
IRAM	Ramesheh	4.13 337	Ph	Pn	15 40 36.9 +1.3
ALNE	Al Ain	4.15 161	P	Pn	15 40 38.0 +2.3
ALNE	Al Ain	4.15 161	S	Sn	15 41 25.8 +1.9
ALNE	Al Ain	4.15 161	i/P	Pn	15 40 36.9 +1.2
ICHK	Chekchek	4.21 1	Ph	Pn	15 40 37.9 +1.2
GHWRR	Ruweis	4.24 198	Ph	Pn	15 40 38.4 +1.6
GHWRR	Ruweis	4.24 198	S	Sn	15 41 30.5 +4.6
MZWR	Madinat Zayed	4.26 185	P	Pn	15 40 38.9 +1.8
MZWR	Madinat Zayed	4.26 185	S	Sn	15 41 28.5 +2.1
TRNA	Turayna	4.29 221	P	Pn	15 40 39.5 +2.0
TRNA	Turayna	4.29 221	S	Sn	15 41 29.9 +2.8
SOHO	SOHO	4.36 152	P	Pn	15 40 41.2 +2.7
SOHO	SOHO	4.36 152	S	Sn	15 41 31.3 +2.4
SOHO	SOHO	4.36 152	i/P	Pn	15 40 38.9 +0.5
SMRA	Abu-Samra	4.51 225	P	Pn	15 40 42.6 +2.0
SMRA	Abu-Samra	4.51 225	S	Sn	15 40 43.2 +1.7
SLWR	Sila	4.58 211	P	Pn	15 40 45.7 +2.3
HOFOF	Al Hofuf	4.72 337	Ph	Pn	15 40 46.0 +1.4
IGAR	Gharneh	4.79 336	Ph	Pn	15 40 49.3 +1.3
MZR	Muzera	5.05 189	P	Pn	15 41 50.0 +4.0
MZR	Muzera	5.05 189	i/P	Pn	15 40 47.3 +0.7
SHOFU	Shofu	5.06 234	P	Pn	15 40 49.7 +1.5
ARQ	Araji	5.07 156	P	Pn	15 40 50.6 +2.3
NHFOF	Ain Dar Gosp	5.11 243	P	Pn	15 40 50.8 +2.0
ANAR	Anarak	5.18 355	Ph	Pn	15 40 51.2 +1.3
HOQ	Hoqain	5.18 148	Ph	Pn	15 40 51.7 +1.8
HOQ	Hoqain	5.18 148	S	Sn	15 41 46.4 +2.9
UMZA	Um Al Zimmool	5.34 171	S	Sn	15 40 53.5 +1.5
UMZA	Um Al Zimmool	5.34 171	P	Pn	15 41 54.9 +1.9
TPRV	Parvadeh(Tabas	5.40 22	Ph	Pn	15 40 54.1 +1.3
BIDO	Bidbid	5.65 142	P	Pn	15 40 59.2 +2.9
BIDO	Bidbid	5.65 142	S	Sn	15 42 03.2 +2.5
NHRD	Haradh	5.77 237	Ph	Pn	15 42 04.6 +0.9
NHRD	Haradh	5.77 237	S	Sn	15 40 59.8 +1.9
IKLH	Kolahrood	5.78 337	Ph	Pn	15 40 59.6 +1.4
SMAN	Siimah	5.86 253	S	Sn	15 42 06.6 +0.8
SMAN	Siimah	5.86 253	P	Pn	15 41 00.6 +1.5
BSY	Bisya	5.87 153	P	Pn	15 41 01.8 +2.4
BSY	Bisya	5.87 153	S	Sn	15 40 58.2 +2.4
SMDO	Samad	5.99 145	P	Pn	15 41 03.6 +2.7
SMDO	Samad	5.99 145	S	Sn	15 42 11.9 +2.7
NHND	Nehbandan	6.02 55	Ph	Pn	15 41 02.6 +1.1
CHBR	Chabahar	6.03 112	Ph	Pn	15 41 02.1 +0.7
TKDS	Koohdash(Taba	6.08 23	Ph	Pn	15 41 03.5 +1.2
WSAR	Wadi Sarin	6.16 140	P	Pn	15 41 03.1 -0.1
WSAR	Wadi Sarin	6.16 140	S	Sn	15 42 14.2 +0.9
WSAR	Wadi Sarin	6.16 140	LR	LR	15 44 06.9
WSAR	Wadi Sarin	6.16 140	P	Pn	15 41 05.7 +2.5
WSAR	Wadi Sarin	6.16 140	S	Sn	15 42 15.6 +2.4
KRSH	Karshahi	6.22 343	Ph	Pn	15 41 04.7 +0.5
GAMS	Gamsar	6.22 343	Ph	Pn	15 41 05.2 +1.5
TNSA	Nastanj	6.25 18	Ph	Pn	15 41 05.4 +0.9
ISFB	Sefidab	6.56 345	Ph	Pn	15 41 09.9 +1.1
QYSM	Um Kedad	6.57 270	P	Pn	15 41 08.6 -0.3
JMDO	Jabal Madar	6.59 140	P	Pn	15 41 11.7 +2.5
JMDO	Jabal Madar	6.59 140	S	Sn	15 42 26.5 +2.4
NGCH	Negor - Chabah	6.66 112	Ph	Pn	15 41 11.1 +1.0
NGCH	Negor - Chabah	6.66 112	P	Pn	15 41 11.4 +1.3
AFRZ	Afriz	6.75 36	Ph	Pn	15 41 12.8 +1.4
WBK	Wadi Bani Khai	6.84 141	P	Pn	15 41 14.6 +1.9
WBK	Wadi Bani Khai	6.84 141	S	Sn	15 42 30.2 0.0
SRVN	Saravan	7.20 93	Ph	Pn	15 41 19.3 +1.6
TAPT	Tabas- Taped t	7.27 19	Ph	Pn	15 41 19.9 +1.3
SHRT	Shahrakht	7.61 41	Ph	Pn	15 41 24.6 +1.3
IFIR	Firookkoooh	7.71 351	Ph	Pn	15 41 25.5 +1.7
MHTO	MHTO	7.75 154	P	Pn	15 41 26.2 +1.9
MHTO	MHTO	7.75 154	S	Sn	15 42 52.3 -0.3
IDMV	Damavand	7.78 346	Ph	Pn	15 41 26.9 +1.2
IFRM	Peran	8.37 349	Ph	Pn	15 41 35.2 +1.6
DOM	DQM	8.65 159	P	Pn	15 41 36.5 0.0
DOM	DQM	8.65 159	S	Sn	15 43 09.4 -3.5
QABG	Abgarm-Gazvin	8.65 334	Ph	Pn	15 41 39.2 +1.5
RAYN	Ar Rayn	9.11 243	Ph	Pn	15 41 43.1 -0.7
RAYN	Ar Rayn	9.11 243	P	Pn	15 41 44.0 +0.2
RAYN	Ar Rayn	9.11 243	P	Pn	15 43 22.0 -3.7
RAYN	Ar Rayn	9.11 243	P	Pn	15 41 43.1 -0.7
RAYN	Ar Rayn	9.11 243	i/P	Pn	15 41 42.0 -1.7
HRA	Herat	9.30 45	Ph	Pn	15 41 45.7 -0.8
DOK	Doka	9.36 181	Ph	Pn	15 41 47.7 +0.5
DMTO	DMTO	10.27 177	P	Pn	15 41 59.4 -0.2
RBK	Rabkut	10.46 181	P	Pn	15 42 02.1 -0.3
RBK	Rabkut	10.46 181	S	Sn	15 43 58.3 -1.0
ABTO	Aybut	10.65 185	P	Pn	15 42 04.4 -0.6
ABTO	Aybut	10.65 185	S	Sn	15 44 02.0 -2.0
KBL	Kabul	14.18 59	Ph	Pn	15 42 53.7 +0.4
KBL	Kabul	14.18 59	P	Pn	15 42 58.9 -1.8
KBL	Kabul	14.18 59	P	Pn	15 42 53.7 +0.4
GNI	Garni	14.45 329	LR	LR	15 48 32.6
AKT	Akhty	14.47 340	eP	P	15 43 02.1 -1.7
AKT	Akhty	14.47 340	pmax	Pmax	
MARD	Mardin	14.67 313	Ph	Pn	15 42 56.9 -3.0
MAK	Makhachkala	15.89 342 <i>i</i>	P	Sn	15 43 12.0 -3.9
MAK	Makhachkala	15.89 342 <i>i</i>	eS	Sn	15 46 08.6 -3.0
MAK	Makhachkala	15.89 342 <i>i</i>	pmax	Pmax	
MAK	Makhachkala	15.89 342 <i>i</i>	MLR	MLR	
SIMJ	Simiganj	16.21 45	Ph	Pn	15 43 18.8 -1.3
CHGR	Chuyangaron	16.31 46	Ph	Pn	15 43 20.7 -0.6
CHGR	Chuyangaron	16.31 46	pmax	Pmax	
CHGR	Chuyangaron	16.31 46	pmax	Pmax	
MMAI	Mount Meron Ar	17.03 292	P	Pn	15 43 30.9 +0.4
MMAI	Mount Meron Ar	17.03 292	P	Pn	15 43 30.9 +0.4
EIL	Eilat	17.04 280	LR	LR	15 52 10.4
NIL	Nilore	17.21 66	Ph	Pn	15 43 33.4 +0.7
NIL	Nilore	17.21 66	Iamb	Iamb	15 43 40.3
NIL	Nilore	17.21 66	P	Pn	15 43 36.8 +2.7
NIL	Nilore	17.21 66	pmax	Pmax	
NIL	Nilore	17.21 66	P	Pn	15 43 33.4 +0.7
GAR	Garm	17.24 46	Ph	Pn	15 43 32.3 -0.9
GAR	Garm	17.24 46	Iamb	Iamb	15 44 04.1

BTK	Batken	18.17 44	P	Pn	15 43 43.4 -1.2
BTK	Batken	18.17 44	P	Pn	15 43 43.4 -1.2
BTK	Batken	18.17 44	pmax	Pmax	
SHA1	Shidzhatmaz	18.28 332 <i>i</i>	eP	P	15 43 47.9 +1.8
KIV	Kislovodsk	18.44 333	P	Pn	15 43 47.5 -0.2
KIV	Kislovodsk	18.44 333	eP	Pn	15 43 49.4 +1.5
KIV	Kislovodsk	18.44 333	pmax	Pmax	
KIV	Kislovodsk	18.44 333	MLR	MLR	
DRK	Karamyk	18.47 47	P	P	15 43 47.6 -0.7
DRK	Karamyk	18.47 47	P	P	15 43 47.6 -0.7
DRK	Karamyk	18.47 47	pmax	Pmax	
SOC	Sochi	19.48 327	eP	Pn	15 44 01.4 +1.1
SOC	Sochi	19.48 327	e	Pn	15 47 42.8
SOC	Sochi	19.48 327	MLR	MLR	
ATD	Arta Tunnel	19.60 215	LR	LR	15 51 57.8
LABN	Labinsk	19.83 330	eP	P	15 44 01.2 -1.6
LABN	Labinsk	19.83 330	eS	P	15 47 45.6 +0.1
LABN	Labinsk	19.83 330	pmax	Pmax	
KKAR	Karatay Array	19.96 37	P	P	15 44 04.2 -0.1
KKAR	Karatay Array	19.96 37	P	P	15 44 04.2 -0.1
KKAR	Karatay Array	19.96 37	pmax	Pmax	
BR131	Keskin Array S	20.70 310	P	Pn	15 44 11.3 -1.3
BR131	Keskin Array S	20.70 310	P	Pn	15 44 16.7 +1.7
BR131	Keskin Array S	20.70 310	eP	Pn	15 44 15.9 +1.0
BRTR	Keskin Array B	20.70 310	P	Pn	15 44 10.9 -1.7
BRTR	Keskin Array B	20.70 310	P	Pn	15 44 13.2 +0.7
BRTR	Keskin Array B	20.70 310	eP	Pn	15 44 13.2 +0.7
BRTR	Keskin Array B	20.70 310	eP	Pn	15 44 15.7 +0.8
BRTR	Keskin Array B	20.70 310	pmax	Pmax	
ERBR	Yeremizinov-Bor	20.79 332	eP	Pn	15 44 11.2 -2.0
ERBR	Yeremizinov-Bor	20.79 332	eP	Pn	15 44 14.1 -1.6
ERBR	Yeremizinov-Bor	20.79 332	eS	P	15 44 30.0
ERBR	Yeremizinov-Bor	20.79 332	eS	P	15 48 04.2 -0.3
ERBR	Yeremizinov-Bor	20.79 332	pmax	Pmax	
KSH	Kashi	21.30 52	P	P	15 44 18.5 -0.5
KSH	Kashi	21.30 52	sP	sP	15 44 26.6 +0.1
KSH	Kashi	21.30 52	S	S	15 48 11.9 -3.2
KSH	Kashi	21.30 52	pmax	Pmax	
KSH	Kashi	21.30 52	LR	LR	
KSH	Kashi	21.30 52	LR	LR	
KSH	Kashi	21.30 52	LR	LR	
KSH	Kashi	21.30 52	LR	LR	
ANN	Anapa	21.49 326	eP	P	15 44 21.7 +0.9
ANN	Anapa	21.49 326	eP	P	15 44 21.7 +0.9
ANN	Anapa	21.49 326	eS	P	15 44 42.9
ANN	Anapa	21.49 326	pmax	Pmax	15 48 23.3 -3.6
ABKAR	Akbulak array	21.65 10	P	P	15 44 20.9 -1.5
AAK	Ala-Archa	21.93 43	P	P	15 44 26.5 +0.8
AAK	Ala-Archa	21.93 43	Iamb	Iamb	15 44 33.3
AAK	Ala-Archa	21.93 43	Iamb	Iamb	15 44 33.3
AAK	Ala-Archa	21.93 43	P	P	15 44 26.1 +0.4
AAK	Ala-Archa	21.93 43	P	P	15 53 56.2
AAK	Ala-Archa	21.93 43	P	P	15 44 30.0 +4.3
AAK	Ala-Archa	21.93 43	P	P	15 44 30.0 +4.3
AAK	Ala-Archa	21.93 43	pmax	Pmax	15 44 28.9 +3.2
NRN	Naryn	22.22 47	P	P	15 44 28.7 -0.4
NRN	Naryn	22.22 47	Iamb	Iamb	15 44 53.2
NRN	Naryn	22.22 47	P	P	15 44 28.7 -0.4
NRN	Naryn	22.22 47	pmax	Pmax	
AKTO	Aktubinsk	22.57 6	LR	LR	15 54 47.3
MDUB	Mudurnu	22.71 309	P	P	15 44 33.0 -1.0
WU	Wushi	24.26 51	P	P	15 44 48.1 -1.3
WU	Wushi	24.26 51	Iamb	Iamb	15 44 54.3
BELG	Belogoroye	24.86 350	LR	LR	15 57 39.1
BELG	Belogoroye	24.86 350	i/P	P	15 44 55.5 +1.1
BELG	Belogoroye	24.86 350	pmax	Pmax	
VRH	Novokhoporsky	25.03 341	eP	P	15 44 56.9 +0.9
VRH	Novokhoporsky	25.03 341	pmax	Pmax	
VSR	Storozhevo	25.84 338	eP	P	15 45 03.3 -0.1
VSR	Storozhevo	25.84 338	pmax	Pmax	
VORR	Voronezh	26.21 338	P	P	15 45 07.2 +0.5
VORR	Voronezh	26.21 338	pmax	Pmax	
LPSR	Galich'ya Gora	27.10 339	eP	P	15 45 15.4 +0.7
LPSR	Galich'ya Gora	27.10 339	pmax	Pmax	
BRVK	Borovyoe	27.68 21	P	P	15 45 18.4 -1.6

ETM	Tongmen	0.93 283	P	Pn	16 30 55.2 -0.8
ETM	Wuta	0.94 317	P	Sb	16 31 07.8 -0.6
EWUT	ENAU	0.95 315	I	Sb	16 30 56.1 +0.3
ENAU	Nanau	0.95 315	I	Sb	16 31 08.5 -0.1
ENSA	Shilin	0.97 274	I	Sb	16 31 09.0 +0.1
ESL	Shilin	0.97 274	I	Sb	16 30 55.6 -0.9
ESL	Guangfu	0.97 265	P	Sb	16 31 07.5 -1.7
EGFH	Su ao	1.00 324	P	Sb	16 30 56.2 -0.4
EGFH	Su ao	1.00 324	P	Sb	16 31 08.5 -0.9
ESAO	Wangbin	1.01 268	P	Sb	16 30 56.9 -0.1
ESAO	Wangbin	1.01 268	P	Sb	16 30 56.7 +0.1
WARBT	Fenglin Townsh	1.00 324	I	Sb	16 30 56.4 -0.7
WARBT	Fenglin Townsh	1.01 255	I	Sb	16 31 09.3 -1.0
HGSD	Ruisui	1.01 255	I	Sb	16 30 56.7 -0.4
HGSD	Ruisui	1.01 255	I	Sb	16 31 09.3 -1.0
LGSD	Xiulin Townshi	1.02 285	I	Sb	16 30 56.7 -0.7
LGSD	Xiulin Townshi	1.02 285	I	Sb	16 31 09.6 -1.0
LXIB	Xiulin Townshi	1.02 296	P	Sb	16 30 57.0 -0.4
ETLH	Xiulin Townshi	1.02 296	P	Sb	16 31 09.6 -1.1
ETLH	Xiulin Townshi	1.03 326	P	Sb	16 30 59.9 -0.5
TWC	Suao	1.03 326	P	Sb	16 31 09.1 -1.7
TWC	Suao	1.03 326	P	Sb	16 30 57.5 +0.1
EBCN	Changbin	1.04 245	S	Sb	16 31 09.9 -1.2
EBCN	Changbin	1.04 245	S	Sb	16 30 58.1 +0.1
EHYH	Wanrong	1.08 256	P	Sb	16 31 11.9 0.0
EHYH	Wanrong	1.08 256	P	Sb	16 30 58.3 0.0
EHYH	Hungye	1.10 257	I	Sb	16 31 12.0 -0.4
EHYH	Hungye	1.10 257	I	Sb	16 31 12.0 -0.5
NDS	Dongshan	1.12 321	I	Sb	16 31 12.7 -0.3
NDS	Dongshan	1.12 321	I	Sb	16 30 59.1 +0.2
YULI	Yuli	1.15 249	P	Sb	16 31 13.6 0.0
YULI	Yuli	1.15 249	P	Sb	16 30 58.7 -0.3
CHKH	Chenggong	1.15 241	P	Sb	16 31 13.6 0.0
CHKH	Chenggong	1.15 241	P	Sb	16 30 59.1 +0.1
YULB	Yu-li	1.15 252	P	Sb	16 31 14.0 +0.3
YULB	Yu-li	1.15 252	P	Sb	16 30 59.4 +0.3
YULB	Yu-li	1.15 252	P	Sb	16 31 13.1 -0.6
YULB	Yu-li	1.16 250	I	Sb	16 30 59.2 0.0
YULB	Yu-li	1.16 250	I	Sb	16 31 14.1 +0.1
LATG	Datong	1.17 312	I	Sb	16 30 59.5 +0.1
LATG	Datong	1.17 312	I	Sb	16 31 14.1 -0.3
WHF	Hehuan Shan	1.18 289	I	Sb	16 30 59.7 -0.2
WHF	Hehuan Shan	1.18 289	I	Sb	16 31 14.1 -1.0
EGS	Nioudou	1.20 335	P	Sb	16 30 59.8 +0.2
EGS	Nioudou	1.20 335	P	Sb	16 31 13.9 +1.0
NNSB	Datong	1.21 304	P	Sb	16 30 59.8 -0.2
NNSB	Datong	1.21 304	P	Sb	16 31 14.6 -0.8
OWD	Renai	1.22 280	P	Sb	16 30 59.8 -0.3
OWD	Renai	1.22 280	P	Sb	16 31 14.5 -1.0
MAST	Nioudou	1.22 317	P	Sb	16 31 14.4 +0.5
MAST	Nioudou	1.22 317	P	Sb	16 31 15.5 -0.1
EWNT	Neicheng	1.22 322	I	Sb	16 31 00.5 +0.5
EWNT	Neicheng	1.22 322	I	Sb	16 31 14.9 -0.4
CHKT	Chengkung	1.22 238	P	Sb	16 30 59.8 -0.1
CHKT	Chengkung	1.22 238	P	Sb	16 31 13.4 -2.0
NAN	Nan Shan	1.23 304	I	Sb	16 31 17.4 -0.5
NAN	Nan Shan	1.23 304	I	Sb	16 31 15.2 -0.5
FULB	Fuli	1.23 243	P	Sb	16 30 60.0 -0.2
FULB	Fuli	1.23 243	P	Sb	16 31 16.6 -1.1
VWDT	VWDT	1.23 270	I	Sb	16 31 00.5 +0.4
VWDT	VWDT	1.23 270	I	Sb	16 31 15.2 -0.2
HATJ	Hateruma jima	1.24 76	P	Sb	16 31 02.2 +0.6
HATJ	Hateruma jima	1.24 76	P	Sb	16 31 16.9 +0.8
WUSB	Renai	1.27 281	P	Sb	16 31 01.0 +0.1
WUSB	Renai	1.27 281	P	Sb	16 31 17.1 +0.1
IRIF	Iriomote-Funau	1.27 63	P	Sb	16 31 01.6 +0.8
IRIF	Iriomote-Funau	1.27 63	P	Sb	16 31 17.8 +0.9
FUSB	Fushanzhiwuyua	1.29 321	P	Sb	16 31 16.8 -0.5
FUSB	Fushanzhiwuyua	1.29 321	P	Sb	16 31 01.0 -0.2
TWT	Tachien	1.30 293	P	Sb	16 31 01.1 -0.5
TWT	Tachien	1.30 293	P	Sb	16 31 17.1 -0.5
TECH	Techi	1.31 292	P	Sb	16 31 01.1 -0.3
TECH	Techi	1.31 292	P	Sb	16 31 17.4 -0.5
EHD	Haiduan	1.32 243	P	Sb	16 31 01.6 +0.2
EHD	Haiduan	1.32 243	P	Sb	16 31 17.3 -0.7
TWB1	Santiao Chiao	1.33 340	P	Sb	16 31 01.5 +0.1
TWB1	Santiao Chiao	1.33 340	P	Sb	16 31 16.1 -1.9
ECS	Chishang	1.34 241	P	Sb	16 31 02.5 +0.9
ECS	Chishang	1.34 241	P	Sb	16 31 17.4 +0.3
EDH	Donghe	1.34 235	P	Sb	16 31 01.6 0.0
EDH	Donghe	1.34 235	P	Sb	16 31 17.3 -1.0
TIPB	Shuangxi	1.35 334	P	Sb	16 31 01.9 +0.1
TIPB	Shuangxi	1.35 334	P	Sb	16 31 18.8 0.0
NWLT	Wulai	1.35 319	P	Sb	16 31 12.9 +0.8
NWLT	Wulai	1.35 319	P	Sb	16 31 19.0 +0.1
YHNB	Yeheng	1.36 312	P	Sb	16 31 02.6 +0.6
YHNB	Yeheng	1.36 312	P	Sb	16 31 17.3 -0.7
YHNB	Yeheng	1.36 312	P	Sb	16 31 02.3 +0.3
YHNB	Yeheng	1.36 312	P	Sb	16 31 18.5 -0.6
NSK	Sanguang	1.38 312	I	Sb	16 31 02.8 +0.5
NSK	Sanguang	1.38 312	I	Sb	16 31 18.1 +1.1
SSLB	Suanguang	1.40 272	P	Sb	16 31 02.9 +0.3
SSLB	Suanguang	1.40 272	P	Sb	16 31 20.9 +0.9
SSLB	Suanguang	1.40 272	P	Sb	16 31 02.9 +0.3
SSLB	Suanguang	1.40 272	P	Sb	16 31 03.1 +0.3
LDJT	Ludao	1.43 221	P	Sb	16 31 03.1 +1.0
LDJT	Ludao	1.43 221	P	Sb	16 31 02.6 -0.5
SK11	Grass Mountain	1.44 337	P	Sb	16 31 21.2 +0.1
SK11	Grass Mountain	1.44 337	P	Sb	16 31 03.1 -0.2
SMLT	Sun Moon Lake	1.46 275	I	Sb	16 31 20.4 -1.1
SMLT	Sun Moon Lake	1.46 275	I	Sb	16 31 03.4 +0.5
NWF	Wu-fen Shan	1.46 334	P	Sb	16 31 03.7 +0.3
NWF	Wu-fen Shan	1.46 334	P	Sb	16 31 20.2 +0.4
WFSB	Wu-fen Shan	1.46 248	P	Sb	16 31 03.2 -0.2
WFSB	Wu-fen Shan	1.46 248	P	Sb	16 31 20.4 -1.2
WCS	Beigang Elemen	1.47 282	P	Sb	16 31 04.2 +0.8
WCS	Beigang Elemen	1.47 282	P	Sb	16 31 22.5 +0.8
JKRS	Kuro-shima	1.47 71	P	Sb	16 31 04.6 +1.1
JKRS	Kuro-shima	1.47 71	P	Sb	16 31 04.6 +1.1
WHYT	Xinyi Township	1.50 268	P	Sb	16 31 24.3 +1.9
WHYT	Xinyi Township	1.50 268	P	Sb	16 31 04.2 +0.3
TYC	Yuchr	1.50 276	P	Sb	16 31 05.2 +1.3
TYC	Yuchr	1.50 276	P	Sb	16 31 23.4 +0.9
WHP	Taichung City	1.50 291	P	Sb	16 31 04.2 +0.5
WHP	Taichung City	1.50 291	P	Sb	16 31 04.2 +0.5
WHP	Taichung City	1.50 291	P	Sb	16 31 04.2 +0.5
WHP	Taichung City	1.50 291	P	Sb	16 31 04.2 +0.5
LONT	Longtian	1.51 236	P	Sb	16 31 04.2 +0.5
LONT	Longtian	1.51 236	P	Sb	16 31 04.2 +0.5
TATO	Taipei	1.52 323	P	Sb	16 31 05.0 +0.9
TATO	Taipei	1.52 323	P	Sb	16 31 23.8 +1.0
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 05.7 +1.5
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 22.9 -0.1
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 04.5 +1.5
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 06.1 +1.4
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 24.4 +0.6
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 05.7 +0.8
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 25.4 +1.1
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 06.8 +2.0
NFF	Wufeng Townshi	1.52 305	P	Sb	16 31 25.2 +2.2
TTN	Taitung	1.58 231	P	Sb	16 31 07.3 -0.4
TTN	Taitung	1.58 231	P	Sb	16 31 07.3 -0.4
TWGBT	Beinan	1.59 234	P	Sb	16 31 05.4 +0.2
TWGBT	Beinan	1.59 234	P	Sb	16 31 25.2 +0.5
TWGBT	Beinan	1.59 234	P	Sb	16 31 05.2 0.0
TWGBT	Beinan	1.59 234	P	Sb	16 31 24.7 0.0
TWGBT	Beinan	1.59 234	P	Sb	16 31 05.4 +0.2
TWGBT	Beinan	1.59 234	P	Sb	16 31 23.9 -0.9
TWGBT	Beinan	1.59 234	P	Sb	16 31 05.7 +1.5
TWG	Pinlang	1.60 235	P	Sb	16 31 07.2 +1.9
TWG	Pinlang	1.60 235	P	Sb	16 31 26.1 +1.0
LIQB	Emei	1.61 304	P	Sb	16 31 07.2 +1.9
LIQB	Emei	1.61 304	P	Sb	16 31 26.1 +1.0
NSTT	Nanjung	1.61 303	P	Sb	16 31 07.2 +1.8
NSTT	Nanjung	1.61 303	P	Sb	16 31 26.1 +1.0
NSTT	Nanjung	1.61 303	P	Sb	16 31 07.2 +1.8
NSTT	Nanjung	1.61 303	P	Sb	16 31 26.1 +1.0
WJS	Zhushan	1.61 273	P	Sb	16 31 07.4 +2.0
WJS	Zhushan	1.61 273	P	Sb	16 31 06.8 +1.4
YMO1	YMO1	1.62 329	P	Sb	16 31 26.6 +1.3
YMO1	YMO1	1.62 329	P	Sb	16 31 06.1 +0.5
YMO1	YMO1	1.62 329	P	Sb	16 31 06.3 +0.5
YMO1	YMO1	1.62 329	P	Sb	16 31 26.3 +0.4
YMO1	YMO1	1.62 329	P	Sb	16 31 06.9 +1.1
YMO1	YMO1	1.62 329	P	Sb	16 31 26.3 +0.4
WNT	Mingiang	1.65 275	P	Sb	16 31 08.0 +2.0
WNT	Mingiang	1.65 275	P	Sb	16 31 06.0 0.0
WNT	Mingiang	1.65 275	P	Sb	16 31 25.7 -0.5
WNT	Mingiang	1.65 275	P	Sb	16 31 07.8 +1.8
WNT	Mingiang	1.65 275	P	Sb	16 31 28.9 +2.3
WNT	Mingiang	1.65 275	P	Sb	16 31 08.7 -0.6
WNT	Mingiang	1.65 275	P	Sb	16 31 29.4 -0.5
ANP	Anpu	1.67 328	P	Sb	16 31 06.9 +0.5
ANP	Anpu	1.67 328	P	Sb	16 31 27.4 -0.6
STHP	Stuyuan	1.68 250	P	Sb	16 31 07.4 +1.1
STHP	Stuyuan	1.68 250	P	Sb	16 31 27.5 +0.8
NTST	Danshui	1.69 326	P	Sb	16 31 06.0 -0.5
NTST	Danshui	1.69 326	P	Sb	16 31 28.0 +0.9
NCUH	Zhongli	1.69 316	P	Sb	16 31 07.8 +1.3
NCUH	Zhongli	1.69 316	P	Sb	16 31 28.7 +1.6

TCU	Taichung	1.70 284	P	Pb	16 31 09.0 -0.7
TCU	Taichung	1.70 284	P	Pb	16 31 31.2 +0.4
NSY	Sanyi	1.71 293	P	Sb	16 31 08.8 +2.1
NSY	Sanyi	1.71 293	P	Sb	16 31 29.6 +2.0
SBCB	Hsinchuh	1.71 307	P	Sb	16 31 09.1 +2.3
SBCB	Hsinchuh	1.71 307	P	Sb	16 31 31.2 +0.6
TWY	Chenhua	1.71 332	P	Sb	16 31 07.3 +0.5
TWY	Chenhua	1.71 332	P	Sb	16 31 28.0 +0.3
HSN	Hsinchu	1.73 307	P	Sb	16 31 09.1 +2.0
HSN	Hsinchu	1.73 307	P	Sb	16 31 28.7 +0.6
NMLH	Miaoili	1.73 297	P	Sb	16 31 09.4 +2.3
NMLH	Miaoili	1.73 297	P	Sb	16 31 30.9 +0.6
WCKO	Fanlu	1.75 260	P	Sb	16 31 09.6 +2.3
WCKO	Fanlu	1.75 260	P	Sb	16 31 32.3 0.0
TPUB	Ta-pu	1.76 255	P	Sb	16 31 31.6 -0.9
TPUB	Ta-pu	1.76 255	P	Sb	16 31 09.5 +2.0
TPUB	Ta-pu	1.76 255	P	Sb	16 31 31.2 +2.3
TPUB	Ta-pu	1.76 255	P	Sb	16 31 09.7 +2.2
WGK	Gukung	1.76 268	P	Sb	16 31 10.1 +2.4
WGK	Gukung	1.76 268	P	Sb	16 31 09.8 +2.1
CHN4	Tsashan	1.78 257	P	Sb	16 31 31.9 +2.4
CHN4	Tsashan	1.78 257	P	Sb	16 31 10.4 -0.8
WDJ	Dajia District	1.79 290	P	Sb	16 31 32.0 +2.5
WDJ	Dajia District	1.79 290	P	Sb	16 31 09.8 +1.9
WDJ	Dajia District</				

0.4nm,0.9s,baz=98,slow=8.1,SNR=1.5
CMAR Chiang Mai Arr 80.85 294 P P 17 00 01.6 +0.2

IDC 02 16:53:39.7z.2.1,1:55N:126:03E,h0km,mb3.1/3,
mbtmp3.2/3,Error ellipse: s-maj=178.9km s-min=26.8km
az=65.0

DJA 02 16:53:44.9:0.7,2°N:3°12'7E, h23km7km, M3.2/7,
MLV3.2/7

ISC 02 16:53:43.1:1.7,2.2N:0.1:127.4E:0.4,h35km,n5,ø1954/6,
mb3.2/3,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include TNTI Ternate, SANI Sanana, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 02 17:10:07.1z.27.72N:54:43E,h0km,mb3.6/6,
mbtmp3.7/6,MS3.0/2,Error ellipse: s-maj=65.0km
s-min=26.5km az=155.0

TEH 02 17:10:10.7,28:04N:54:42E,h14km,33km
DSN 02 17:10:14.2:0.6,27.93N:54:16E,h15km,ML3.3/7,Error
ellipse: s-maj=7.8km s-min=3.3km az=21.0

OMAN 02 17:10:14.8:0.2,27.92N:54:27E,h10km,mb4.1/4,
mb3.1/15,Error ellipse: s-maj=3.7km s-min=2.0km az=14.0

ISC 02 17:10:12.5:0.7,28.03N:0.04:54:35E:0.04,h17km,n57,
ø2514/69,mb3.8/5,Southern Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include LAR1 LAR, JHRM Jahrom, QIR1 Qir, LMD1 Lamerid, GENO Geno, SHI Shiraz, SHME Shamam, BANOM Banah, BANOM Banah, DSBU Dashti - Bushe, KHGB Koh Gabri, MASF Masati, MDH Madha, MDH Madha, NAZ Nazwa, Dubai, IMEH Mehriz, UOSS Minazif, UOSS Minazif, UOSS Minazif, ASUD Abu Ashush, Dub, ASUD Abu Ashush, Dub, HATD Hatta, Dubai, ASHO Ashiyah, ASHO Ashiyah, SHMA Al-Shehemyia, SHMA Al-Shehemyia, IRAM Ramesheh, ALNE Al Ain, MZWR Madinat Zayed, TRNA Turayna, TRNA Turayna, SOHO SOHO, SMRA Abu-Samra, ARQ Muzera, MZR Muzera, HOQ Hoqain, UMZA Um Al Zommool, PRPV Parvadeh(Tabas), BIDO Bidbid, BSY Bisya, SMDO Samad, TKDS Koohdasht(Taba), WSAR Wadi Sarin, NGCH Negor - Chabah, WBK Wadi Bani Khal, MHTO MHTO, RAYN Ar Rayn, RAYN Ar Rayn, DOK Doka, DMTO DMTO, AYBUT Aybut, GNI Garni, BRTR Keskin Array B, ZALV Zalesovo Beam, FINES FINES Array B, TORD Torodi Ar. Bea, BOSA Boshof, MKAR Makanchi Array.

IDC 02 17:22:02.7:56.0,19:64S:177:85W,h0km,mb4.0/3,
mbtmp4.0/3,Error ellipse: s-maj=1036.0km
s-min=164.2km az=82.0,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include ASHO Ashiyah, SHMA Al-Shehemyia, SHMA Al-Shehemyia, IRAM Ramesheh, ALNE Al Ain, MZWR Madinat Zayed, TRNA Turayna, TRNA Turayna, SOHO SOHO, SMRA Abu-Samra, ARQ Muzera, MZR Muzera, HOQ Hoqain, UMZA Um Al Zommool, PRPV Parvadeh(Tabas), BIDO Bidbid, BSY Bisya, SMDO Samad, TKDS Koohdasht(Taba), WSAR Wadi Sarin, NGCH Negor - Chabah, WBK Wadi Bani Khal, MHTO MHTO, RAYN Ar Rayn, RAYN Ar Rayn, DOK Doka, DMTO DMTO, AYBUT Aybut, GNI Garni, BRTR Keskin Array B, ZALV Zalesovo Beam, FINES FINES Array B, TORD Torodi Ar. Bea, BOSA Boshof, MKAR Makanchi Array.

IDC 02 17:22:02.7:56.0,19:64S:177:85W,h0km,mb4.0/3,
mbtmp4.0/3,Error ellipse: s-maj=1036.0km
s-min=164.2km az=82.0,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include ASHO Ashiyah, SHMA Al-Shehemyia, SHMA Al-Shehemyia, IRAM Ramesheh, ALNE Al Ain, MZWR Madinat Zayed, TRNA Turayna, TRNA Turayna, SOHO SOHO, SMRA Abu-Samra, ARQ Muzera, MZR Muzera, HOQ Hoqain, UMZA Um Al Zommool, PRPV Parvadeh(Tabas), BIDO Bidbid, BSY Bisya, SMDO Samad, TKDS Koohdasht(Taba), WSAR Wadi Sarin, NGCH Negor - Chabah, WBK Wadi Bani Khal, MHTO MHTO, RAYN Ar Rayn, RAYN Ar Rayn, DOK Doka, DMTO DMTO, AYBUT Aybut, GNI Garni, BRTR Keskin Array B, ZALV Zalesovo Beam, FINES FINES Array B, TORD Torodi Ar. Bea, BOSA Boshof, MKAR Makanchi Array.

IDC 02 17:22:02.7:56.0,19:64S:177:85W,h0km,mb4.0/3,
mbtmp4.0/3,Error ellipse: s-maj=1036.0km
s-min=164.2km az=82.0,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include ASHO Ashiyah, SHMA Al-Shehemyia, SHMA Al-Shehemyia, IRAM Ramesheh, ALNE Al Ain, MZWR Madinat Zayed, TRNA Turayna, TRNA Turayna, SOHO SOHO, SMRA Abu-Samra, ARQ Muzera, MZR Muzera, HOQ Hoqain, UMZA Um Al Zommool, PRPV Parvadeh(Tabas), BIDO Bidbid, BSY Bisya, SMDO Samad, TKDS Koohdasht(Taba), WSAR Wadi Sarin, NGCH Negor - Chabah, WBK Wadi Bani Khal, MHTO MHTO, RAYN Ar Rayn, RAYN Ar Rayn, DOK Doka, DMTO DMTO, AYBUT Aybut, GNI Garni, BRTR Keskin Array B, ZALV Zalesovo Beam, FINES FINES Array B, TORD Torodi Ar. Bea, BOSA Boshof, MKAR Makanchi Array.

IDC 02 17:22:02.7:56.0,19:64S:177:85W,h0km,mb4.0/3,
mbtmp4.0/3,Error ellipse: s-maj=1036.0km
s-min=164.2km az=82.0,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include ASHO Ashiyah, SHMA Al-Shehemyia, SHMA Al-Shehemyia, IRAM Ramesheh, ALNE Al Ain, MZWR Madinat Zayed, TRNA Turayna, TRNA Turayna, SOHO SOHO, SMRA Abu-Samra, ARQ Muzera, MZR Muzera, HOQ Hoqain, UMZA Um Al Zommool, PRPV Parvadeh(Tabas), BIDO Bidbid, BSY Bisya, SMDO Samad, TKDS Koohdasht(Taba), WSAR Wadi Sarin, NGCH Negor - Chabah, WBK Wadi Bani Khal, MHTO MHTO, RAYN Ar Rayn, RAYN Ar Rayn, DOK Doka, DMTO DMTO, AYBUT Aybut, GNI Garni, BRTR Keskin Array B, ZALV Zalesovo Beam, FINES FINES Array B, TORD Torodi Ar. Bea, BOSA Boshof, MKAR Makanchi Array.

IDC 02 17:22:02.7:56.0,19:64S:177:85W,h0km,mb4.0/3,
mbtmp4.0/3,Error ellipse: s-maj=1036.0km
s-min=164.2km az=82.0,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include ASHO Ashiyah, SHMA Al-Shehemyia, SHMA Al-Shehemyia, IRAM Ramesheh, ALNE Al Ain, MZWR Madinat Zayed, TRNA Turayna, TRNA Turayna, SOHO SOHO, SMRA Abu-Samra, ARQ Muzera, MZR Muzera, HOQ Hoqain, UMZA Um Al Zommool, PRPV Parvadeh(Tabas), BIDO Bidbid, BSY Bisya, SMDO Samad, TKDS Koohdasht(Taba), WSAR Wadi Sarin, NGCH Negor - Chabah, WBK Wadi Bani Khal, MHTO MHTO, RAYN Ar Rayn, RAYN Ar Rayn, DOK Doka, DMTO DMTO, AYBUT Aybut, GNI Garni, BRTR Keskin Array B, ZALV Zalesovo Beam, FINES FINES Array B, TORD Torodi Ar. Bea, BOSA Boshof, MKAR Makanchi Array.

IDC 02 17:22:02.7:56.0,19:64S:177:85W,h0km,mb4.0/3,
mbtmp4.0/3,Error ellipse: s-maj=1036.0km
s-min=164.2km az=82.0,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include ASHO Ashiyah, SHMA Al-Shehemyia, SHMA Al-Shehemyia, IRAM Ramesheh, ALNE Al Ain, MZWR Madinat Zayed, TRNA Turayna, TRNA Turayna, SOHO SOHO, SMRA Abu-Samra, ARQ Muzera, MZR Muzera, HOQ Hoqain, UMZA Um Al Zommool, PRPV Parvadeh(Tabas), BIDO Bidbid, BSY Bisya, SMDO Samad, TKDS Koohdasht(Taba), WSAR Wadi Sarin, NGCH Negor - Chabah, WBK Wadi Bani Khal, MHTO MHTO, RAYN Ar Rayn, RAYN Ar Rayn, DOK Doka, DMTO DMTO, AYBUT Aybut, GNI Garni, BRTR Keskin Array B, ZALV Zalesovo Beam, FINES FINES Array B, TORD Torodi Ar. Bea, BOSA Boshof, MKAR Makanchi Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include KAZ2 Kazeron-Fars-I, AHBU AHARAM, DSBU Dashti - Bushe, SHI Shiraz, KLNJ Kolanjah, QIR1 Qir, IBRJ Brojen, IRAM Ramesheh, ZAGN Zangian, JHBN Jahan bin, IPIR Pirpir, IZEF Zefreh, IKHK Chekchek, IKHL Kohahrood, IBAF Bafiq, ANAR Anarak, QAMS Qamsar, KHGB Koh Gabri, KRSH Karshahi, ISFB Seifabad, IKFM Kofe Mosalman, HSAM Samen, IQOM Qom, CHMN Cheshme madani, IVRN Varamin, HAGB Haghad, TRPV Parvadeh(Tabas), ILBA Iliam Banvizeh, TNSJ Nastanj, ILIN Lien, IDHR Dehras, EILG Eilat, BVAR Borovoye Array, KURBB Kurchatov Arra, FINES FINES Array B, HFS Hagfors, ARCES ARCESS Array B, TORD Torodi Ar. Bea, SPITS Spitsbergen Arr, PRU 02 17:46:58.5,50:29N:18:91E,h0km, IPEC 02 17:46:58.2:0.2,50:23N:18:95E,h1km,ML1.9/4,Error ellipse: s-maj=2.5km s-min=1.1km az=166.0, VIE 02 17:46:58.2:0.6,50:29N:18:97E,h0km,mb2.6/1,ml2.2/3,Error ellipse: s-maj=7.6km s-min=2.1km az=167.0, Suspected Mining induced, ISC 02 17:46:58.0:0.9,50:18N:0:05:18:94E:0:02,h0km,n20,ø1513/33,Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include OJC Ojcow, OJC Ojcow, QKC Ostrava-Krasne, STEB Steborice, MORC Moravsky Berou, MORC Moravsky Berou, LANS Liptovska Anna, LANS Liptovska Anna, LANS Liptovska Anna, NIE Niedzica, KRCL Kralupy, STHS Stiebicka Huta, STHS Stiebicka Huta, STHS Stiebicka Huta, DOBRUSKA-POLM Dobruska-Polom, DPC DPC, VYHS Vyhove, VYHS Vyhove, VRAC Vranov, VRAC Vranov, KSP Ksiaz, KSP Ksiaz, KRUC Moravsky Berou, KRUC Moravsky Berou, GOPC Gopce, PRU Pruhonice, PRU Pruhonice, CONA Conrad Observa, CONA Conrad Observa, MOA Molin, MOA Molin, MOA Molin.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include OJC Ojcow, OJC Ojcow, QKC Ostrava-Krasne, STEB Steborice, MORC Moravsky Berou, MORC Moravsky Berou, LANS Liptovska Anna, LANS Liptovska Anna, LANS Liptovska Anna, NIE Niedzica, KRCL Kralupy, STHS Stiebicka Huta, STHS Stiebicka Huta, STHS Stiebicka Huta, DOBRUSKA-POLM Dobruska-Polom, DPC DPC, VYHS Vyhove, VYHS Vyhove, VRAC Vranov, VRAC Vranov, KSP Ksiaz, KSP Ksiaz, KRUC Moravsky Berou, KRUC Moravsky Berou, GOPC Gopce, PRU Pruhonice, PRU Pruhonice, CONA Conrad Observa, CONA Conrad Observa, MOA Molin, MOA Molin, MOA Molin.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include OJC Ojcow, OJC Ojcow, QKC Ostrava-Krasne, STEB Steborice, MORC Moravsky Berou, MORC Moravsky Berou, LANS Liptovska Anna, LANS Liptovska Anna, LANS Liptovska Anna, NIE Niedzica, KRCL Kralupy, STHS Stiebicka Huta, STHS Stiebicka Huta, STHS Stiebicka Huta, DOBRUSKA-POLM Dobruska-Polom, DPC DPC, VYHS Vyhove, VYHS Vyhove, VRAC Vranov, VRAC Vranov, KSP Ksiaz, KSP Ksiaz, KRUC Moravsky Berou, KRUC Moravsky Berou, GOPC Gopce, PRU Pruhonice, PRU Pruhonice, CONA Conrad Observa, CONA Conrad Observa, MOA Molin, MOA Molin, MOA Molin.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include OJC Ojcow, OJC Ojcow, QKC Ostrava-Krasne, STEB Steborice, MORC Moravsky Berou, MORC Moravsky Berou, LANS Liptovska Anna, LANS Liptovska Anna, LANS Liptovska Anna, NIE Niedzica, KRCL Kralupy, STHS Stiebicka Huta, STHS Stiebicka Huta, STHS Stiebicka Huta, DOBRUSKA-POLM Dobruska-Polom, DPC DPC, VYHS Vyhove, VYHS Vyhove, VRAC Vranov, VRAC Vranov, KSP Ksiaz, KSP Ksiaz, KRUC Moravsky Berou, KRUC Moravsky Berou, GOPC Gopce, PRU Pruhonice, PRU Pruhonice, CONA Conrad Observa, CONA Conrad Observa, MOA Molin, MOA Molin, MOA Molin.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include OJC Ojcow, OJC Ojcow, QKC Ostrava-Krasne, STEB Steborice, MORC Moravsky Berou, MORC Moravsky Berou, LANS Liptovska Anna, LANS Liptovska Anna, LANS Liptovska Anna, NIE Niedzica, KRCL Kralupy, STHS Stiebicka Huta, STHS Stiebicka Huta, STHS Stiebicka Huta, DOBRUSKA-POLM Dobruska-Polom, DPC DPC, VYHS Vyhove, VYHS Vyhove, VRAC Vranov, VRAC Vranov, KSP Ksiaz, KSP Ksiaz, KRUC Moravsky Berou, KRUC Moravsky Berou, GOPC Gopce, PRU Pruhonice, PRU Pruhonice, CONA Conrad Observa, CONA Conrad Observa, MOA Molin, MOA Molin, MOA Molin.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include OJC Ojcow, OJC Ojcow, QKC Ostrava-Krasne, STEB Steborice, MORC Moravsky Berou, MORC Moravsky Berou, LANS Liptovska Anna, LANS Liptovska Anna, LANS Liptovska Anna, NIE Niedzica, KRCL Kralupy, STHS Stiebicka Huta, STHS Stiebicka Huta, STHS Stiebicka Huta, DOBRUSKA-POLM Dobruska-Polom, DPC DPC, VYHS Vyhove, VYHS Vyhove, VRAC Vranov, VRAC Vranov, KSP Ksiaz, KSP Ksiaz, KRUC Moravsky Berou, KRUC Moravsky Berou, GOPC Gopce, PRU Pruhonice, PRU Pruhonice, CONA Conrad Observa, CONA Conrad Observa, MOA Molin, MOA Molin, MOA Molin.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include GOO2 Mina Guanaco, GOO2 Mina Guanaco, PB14 IPOC Station P, PB14 IPOC Station P, PB12 IPOC Station P, PB12 IPOC Station P, PB12 IPOC Station P.

NORS 02 18:24:46.9,42:62N:43:40E,h10km,MPVA3.6
MOS 02 18:24:47.9,42:67N:43:35E,h14km,MPVA3.6
AFAD 02 18:24:49.1,42:62N:43:02E,h6km,1km,ML2.5
ISC 02 18:24:47.5:1.1,42:62N:0.03:43:39E:0.05,h9km,n10km,
n19,ø093/38,Western Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include DIGR Digorskoe uzhe, DIGR Digorskoe uzhe, KORR Korra, KORR Korra, LACR Lac, LACR Lac, LSNR Lesken, LSNR Lesken, ARNR Ardon, ARNR Ardon, NCK Naichik, NCK Naichik, STDR Stavd-Durt, STDR Stavd-Durt, KBZ Khabaz, KBZ Khabaz, EPOS Posof, EPOS Posof, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, PRTR Priterechnaya, PRTR Priterechnaya, KIVO Kislovodsk Arr, KIVO Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, PYA1 Pyatigorsk, PYA1 Pyatigorsk, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, DBOC Borcka, DBOC Borcka, DBOC Borcka, DAGI Agillar, DAGI Agillar, DBAD Bademkaya, DBAD Bademkaya, DBAD Bademkaya, DDEM Demirkent, DDEM Demirkent, DDEM Demirkent.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include DIGR Digorskoe uzhe, DIGR Digorskoe uzhe, KORR Korra, KORR Korra, LACR Lac, LACR Lac, LSNR Lesken, LSNR Lesken, ARNR Ardon, ARNR Ardon, NCK Naichik, NCK Naichik, STDR Stavd-Durt, STDR Stavd-Durt, KBZ Khabaz, KBZ Khabaz, EPOS Posof, EPOS Posof, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, PRTR Priterechnaya, PRTR Priterechnaya, KIVO Kislovodsk Arr, KIVO Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, PYA1 Pyatigorsk, PYA1 Pyatigorsk, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, DBOC Borcka, DBOC Borcka, DBOC Borcka, DAGI Agillar, DAGI Agillar, DBAD Bademkaya, DBAD Bademkaya, DBAD Bademkaya, DDEM Demirkent, DDEM Demirkent, DDEM Demirkent.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include DIGR Digorskoe uzhe, DIGR Digorskoe uzhe, KORR Korra, KORR Korra, LACR Lac, LACR Lac, LSNR Lesken, LSNR Lesken, ARNR Ardon, ARNR Ardon, NCK Naichik, NCK Naichik, STDR Stavd-Durt, STDR Stavd-Durt, KBZ Khabaz, KBZ Khabaz, EPOS Posof, EPOS Posof, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, PRTR Priterechnaya, PRTR Priterechnaya, KIVO Kislovodsk Arr, KIVO Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, PYA1 Pyatigorsk, PYA1 Pyatigorsk, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, DBOC Borcka, DBOC Borcka, DBOC Borcka, DAGI Agillar, DAGI Agillar, DBAD Bademkaya, DBAD Bademkaya, DBAD Bademkaya, DDEM Demirkent, DDEM Demirkent, DDEM Demirkent.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include DIGR Digorskoe uzhe, DIGR Digorskoe uzhe, KORR Korra, KORR Korra, LACR Lac, LACR Lac, LSNR Lesken, LSNR Lesken, ARNR Ardon, ARNR Ardon, NCK Naichik, NCK Naichik, STDR Stavd-Durt, STDR Stavd-Durt, KBZ Khabaz, KBZ Khabaz, EPOS Posof, EPOS Posof, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, PRTR Priterechnaya, PRTR Priterechnaya, KIVO Kislovodsk Arr, KIVO Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, PYA1 Pyatigorsk, PYA1 Pyatigorsk, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, DBOC Borcka, DBOC Borcka, DBOC Borcka, DAGI Agillar, DAGI Agillar, DBAD Bademkaya, DBAD Bademkaya, DBAD Bademkaya, DDEM Demirkent, DDEM Demirkent, DDEM Demirkent.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include DIGR Digorskoe uzhe, DIGR Digorskoe uzhe, KORR Korra, KORR Korra, LACR Lac, LACR Lac, LSNR Lesken, LSNR Lesken, ARNR Ardon, ARNR Ardon, NCK Naichik, NCK Naichik, STDR Stavd-Durt, STDR Stavd-Durt, KBZ Khabaz, KBZ Khabaz, EPOS Posof, EPOS Posof, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, PRTR Priterechnaya, PRTR Priterechnaya, KIVO Kislovodsk Arr, KIVO Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, PYA1 Pyatigorsk, PYA1 Pyatigorsk, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, DBOC Borcka, DBOC Borcka, DBOC Borcka, DAGI Agillar, DAGI Agillar, DBAD Bademkaya, DBAD Bademkaya, DBAD Bademkaya, DDEM Demirkent, DDEM Demirkent, DDEM Demirkent.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include DIGR Digorskoe uzhe, DIGR Digorskoe uzhe, KORR Korra, KORR Korra, LACR Lac, LACR Lac, LSNR Lesken, LSNR Lesken, ARNR Ardon, ARNR Ardon, NCK Naichik, NCK Naichik, STDR Stavd-Durt, STDR Stavd-Durt, KBZ Khabaz, KBZ Khabaz, EPOS Posof, EPOS Posof, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, PRTR Priterechnaya, PRTR Priterechnaya, KIVO Kislovodsk Arr, KIVO Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, PYA1 Pyatigorsk, PYA1 Pyatigorsk, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, DBOC Borcka, DBOC Borcka, DBOC Borcka, DAGI Agillar, DAGI Agillar, DBAD Bademkaya, DBAD Bademkaya, DBAD Bademkaya, DDEM Demirkent, DDEM Demirkent, DDEM Demirkent.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Rows include DIGR Digorskoe uzhe, DIGR Digorskoe uzhe, KORR Korra, KORR Korra, LACR Lac, LACR Lac, LSNR Lesken, LSNR Lesken, ARNR Ardon, ARNR Ardon, NCK Naichik, NCK Naichik, STDR Stavd-Durt, STDR Stavd-Durt, KBZ Khabaz, KBZ Khabaz, EPOS Posof, EPOS Posof, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, PRTR Priterechnaya, PRTR Priterechnaya, KIVO Kislovodsk Arr, KIVO Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, PYA1 Pyatigorsk, PYA1 Pyatigorsk, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, AHAN Ardahan-Merkez, DBOC Borcka, DBOC Borcka, DBOC Borcka, DAGI Agillar, DAGI Agillar, DBAD Bademkaya, DBAD Bademkaya, DBAD Bademkaya, DDEM Demirkent, DDEM Demirkent, DDEM Demirkent.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MT01 Popeta, MT15 Las Vizcachas, GO05 Hualane, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Arr.

AEIC 02 19:09:25.2:5.55:79N:0.09:149.2W:0.1, h1km, gkm, Error ellipse: s-maj=13.5km s-min=9.1km az=162.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OHAK Old Harbor, KODAK Kodiak Island, CHIR Chirikof Islan, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like L29M L29M, H21K Melozitna Rive, MJAR Matsushiro Arr, etc.

SNET 02 19:18:02.3:1.0.13:20N:87:92W, h7km, ML2.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CNCH Conchagua, POS Pressa 15 de Se, etc.

FCIAR 02 19:37:32.0.80:19N:4:44E, h10km, station OMEGA has station magnitude of 3.50 station ZF12 has station magnitude of 3.40

BER 02 19:37:33.0:2.5.79:91N:1:76E, h10km, mb(Pn)3.3, ML3.1(NAO), Confirmed Earthquake

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KBS Kingsbay, SPAO Spitsbergen Ar, SPAO Spitsbergen Ar, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZF12 Zemlya Franca, OMEGA Omega, NEEM North Greenlan, etc.

IDC 02 19:43:55.7:999.0,35:33N:74:23E, h0km, Error ellipse: s-maj=1022.0km s-min=285.3km az=36.0, Northwesten

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I46RU ZALESOVO INFRA20.0, I34MN SONGINO INFRAS 26.91, I45RU USSURIYSK INFR 44.6

IDC 02 19:53:45.9:9.2.23:65S:69:94E, h0km, mb3.6/7, mbtmp3.6/7, Error ellipse: s-maj=307.5km s-min=31.1km az=50.0

IDC 02 19:53:47.3:9.2:23:65S:69:94E, h10km, n13, 009307, mb3.6/7, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

NEIC 02 20:01:55.0:6.9:45S:0:1:118:16E:0.05, h10km, 2km, mb4.1/7, Error ellipse: s-maj=18.1km s-min=5.1km az=21.0

IDC 02 20:01:8.6:1.9:40S:118:12E, h75km, 57km, mb3.3/3, mbtmp3.8/6, ML3.7/3, MS3.0/1, Error ellipse: s-maj=56.2km s-min=14.5km az=63.0

IDC 02 20:01:57.4:0.8:9:50S:0:07:118:10E:0:07, h35km, n23, 062/21, mb3.8/3, Sumbawa region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JAGI Jajag, Banyuwya, MMRI Maumere, KAPI Kappang, etc.

NEIC 02 20:03:24.9, 1.4, 61.141N, 0.02:150.09W, 0.06, h33km, 9km, Error ellipse: s-maj=4.4km s-min=2.1km az=76.0

AEIC 02 20:25:4.1, 1.1, 61.40N, 0.02:150.09W, 0.06, h31km, 7km, ML2.9, ML3.1/126(NEIC), Error ellipse: s-maj=4.1km s-min=2.1km az=66.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: J20K, Nowinta River, 3.35 328, Pn, 20 04 14.8, -0.8. Lists seismic events with station codes and parameters.

SCB 02 20:08:50.3, 1.0, 17.46S, 69.39W, h150km, 13km, ML2.9, MW3.7, Error ellipse: s-maj=4.8km s-min=2.9km az=0.0, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the Peru-Bolivia border region.

IDC 02 20:30:00.9, 0.7, 53.85N, 159.04E, h0km, mb3.8/14, mbmp3.8/14, MS3.4/16, Error ellipse: s-maj=20.5km s-min=9.5km az=137.0

KRSC 02 20:30:00.9, 0.9, 53.78N, 159.21E, h8km, 11km, M13.9, MOS 02 20:30:01.0, 1.0, 53.77N, 159.10E, h9km, mb4.3/7, Error ellipse: s-maj=11.7km s-min=4.0km az=78.1

NEIC 02 20:30:04.2, 1.3, 53.53N, 0.2:159.2E, 0.2, h35km, 2km, mb4.1/14, Error ellipse: s-maj=31.8km s-min=14.5km az=143.0

ISC 02 20:30:01.0, 1.3, 53.77N, 0.02:159.17E, 0.03, h1km, 9km, n121, s180/126, mb4.1/27, MS3.5/14, 6C-4D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the Kamchatka Peninsula region.

Table with columns: KDTR, Khodutka, Kamc, 2.07 199, Pn, 20 04 14.8, -0.8. Lists seismic events with station codes and parameters.

ASAJ Asahikawa 14.52 235 LR 20 38 39.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the Kamchatka Peninsula region.

SONM Songoing Array 33.21 282 P 20 36 39.4 +0.1

HHC HHC 34.11 267 eP 20 36 46.0 -1.1

H1N2 WAKE ISLAND Hy 34.49 167 T 21 12 39.1

H1N1 WAKE ISLAND Hy 34.51 167 T 21 12 39.9

ZALV Zalesovo Bank 41.95 302 P 20 37 50.6 -2.3

YKA Yellowknife Arr 43.04 43 P 20 38 01.3 -0.4

YKA Yellowknife Arr 43.04 43 P 20 38 03.5 +1.8

KURK Kurchatov 46.91 301f P 20 38 34.5 +1.9

MK31 Makanchi Array 47.37 295 P 20 38 35.3 -1.0

MKAR Makanchi Array 47.37 295 P 20 38 35.7 -0.6

MAR Makanchi Array 47.37 295 eP 20 38 35.6 -0.7

MAK2 Makanchi 47.53 295 P 20 38 36.7 -0.9

MAK2 Makanchi 47.53 295 P 20 38 36.7 -0.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details like frequency and power.

IDC 02:20:38.18.7.1.4, 54.65N; 164.56E, h0km, mb3.5/6, s-min=21.3km az=157.0

KRSC 02:20:38.19.2.1.9, 54.68N; 164.56E, h59km, mb3.6, M3.6

ISC 02:20:38.20.1.8, 54.69N; 164.61E, h0.08, h14km, 14km, n34, $\pm 2.13/49, mb3.6/6, Komandorski Islands region$

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details.

IDC 02:21:09.17.8.1.8, 53.54N; 159.28E, h0km, mb3.3/3, mbtm3.3/3, Error ellipse: s-maj=27.1km s-min=16.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details.

THE 02:21:17.58.4.37, 42N; 20.63E, h8km, ML3.4/6, Error ellipse: s-maj=1.3km s-min=0.5km az=62.0

IDC 02:21:18.05.3.2.6, 37.77N; 21.21E, h46km, 36km, mb3.4/8, mbtm3.6/10, ML3.3/1, MS2.9/3, Error ellipse: s-maj=40.6km s-min=17.2km az=27.0

ISC 02:21:17.59.9.1.3, 37.47N; 0.05; 20.74E; 0.05, h17km, 7km, n33, $\pm 1.46/40, mb3.7/8, Ionian Sea$

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details.

EKA Eskdalemuir Ar 24.10 325 P P 21 23 16.6 +2.1

FINES FINES Array B 24.23 6 P P 21 23 14.2 -1.3

ARTI Art 31.37 41 LR LR 21 38 09.0

KURBB Kurchatov Arra 42.51 53 P P 21 25 52.0 -2.2

MKAR Makanchi Array 45.53 58 P P 21 26 16.5 -2.0

ZALV Zalesovo Beam 46.03 48 P P 21 26 20.2 -2.1

SCHO Schofferville 59.09 318 LR LR 21 52 41.8

CMAR Chiang Mai Arr 69.82 82 P P 21 29 08.6 -1.2

YKA Yellowknife Ar 74.11 340 P P 21 29 34.6 -0.2

IDC 02:21:09.4.1.3, 40.85S; 176.32E, h0km, mb4.1/3, mbmp4.1/5, ML4.1/2, MS2.7/1, Error ellipse: s-maj=40.9km

NOU 02:21:20.30.4.0, 96S; 176.51E, h18km, ML4.4/19, North Island, New Zealand

NEIC 02:21:20.30.9.1.5, 40.99S; 0.04; 176.50E; 0.07, h25km, 5km, mb4.3/4, Error ellipse: s-maj=8.2km s-min=6.1km az=113.0

WEL 02:21:20.30.9.41.00S; 176.65E, h14km, ML4.3, MW4.3, Moment Tensor Solution, s3 Moment tensor: Scale 1015

ISC 02:21:30.20.0.7, 41.05S; 0.04; 176.64E; 0.04, h21km, 2km, n211, $\pm 1.93/227, mb4.2/5, Off east coast of North Island$

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details.

URZ Urewera 2.81 8 P Pn 21 21 12.5 -1.9

URZ 56m.0.3s, baz=216, slow=17, SNR=112 Sn 21 21 44.0 -3.0

URZ comp=2.139nm, 20.4s, baz=3.0, slow=40.4m, 0.3s LR 21 22 15.9

URZ Urewera 2.81 8 P Pn 21 21 12.4 -1.5

URZ Urewera 2.81 8 P Pn 21 21 12.5 -1.3

TARZ Mount Tarawera 2.81 358 P Pn 21 21 13.4 -0.6

CNGZ Carnage Station 2.83 26 P Pn 21 21 13.7 -0.5

HIZ Haurangi 2.88 331 P Pn 21 21 14.7 -0.2

HIZ Haurangi 2.88 331 P Pn 21 21 15.4 -0.6

HIZ Haurangi 2.88 331 P Pn 21 21 14.5 -0.7

THZ Tophouse 2.90 254 P Pn 21 21 14.2 -1.0

THZ Tophouse 2.90 254 P Pn 21 21 14.8 -0.9

MRNZ Matariki Terra 2.95 262 P Pn 21 21 15.2 -0.6

MRNZ Matariki Terra 2.95 262 P Pn 21 21 15.9 -0.4

MRNZ Matariki Terra 2.95 262 P Pn 21 21 16.8 -0.4

QWZ Quartz Range 3.12 273 P Pn 21 21 17.9 -0.3

QWZ Quartz Range 3.12 273 P Pn 21 21 17.7 -0.5

QWZ Quartz Range 3.12 273 P Pn 21 21 17.9 -0.3

OPRZ Ohinepaea 3.20 359 P Pn 21 21 18.9 -0.4

PUZ Puketi 3.22 333 P Pn 21 21 18.7 -0.9

PUZ Greta Valley S 3.30 233 P Pn 21 21 20.4 -0.2

PKGZ Pakihoro 3.37 20 P Pn 21 21 20.1 -1.5

HUZ Lake Taupo 3.40 15 P Pn 21 21 20.7 -1.3

TOZ Tahuroa Road 3.43 345 Pn 21 21 21.2 -1.1

WGMZ Waioamatai S 3.50 24 P Pn 21 21 22.6 -0.9

AMCZ Amberley 3.65 233 P Pn 21 21 25.0 -0.5

LTZ Lake Taupo 3.69 241 Pn 21 21 25.3 -0.8

DWZ Denniston North 3.70 258 P Pn 21 21 25.2 -1.1

PNZ Puketi 3.70 258 P Pn 21 21 25.7 -0.2

MXZ Matakoao Point 3.71 21 Pn 21 21 24.9 -1.5

MXZ Matakoao Point 3.71 21 Pn 21 21 25.0 -1.3

MXZ Matakoao Point 3.71 21 Pn 21 21 25.1 -1.3

OKCz Okaia Bay 3.77 224 P Pn 21 21 26.4 -0.7

OKCz Okaia Bay 3.77 224 P Pn 21 21 26.7 -0.9

MOZ McQueen's Vall 3.97 227 P Pn 21 21 28.6 -1.3

MOZ McQueen's Vall 3.97 227 P Pn 21 21 28.6 -1.3

2019 JAN

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for BBOW, AS31, ASAR, COEN, WRA, WBO, CMAR, MKAR, KURBB, ARCES, TORDI, BRTR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, MBWA, PSA00, PSA00, WBO, CMAR, MKAR, KURBB, ARCES, TORDI, BRTR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for mb4.5/2, MLV3.7/6, ISM 02 21:57:50.2, 0.8, 2.25, 0.1, 138.97E, 0.05, h29km, n13.

NAO 02 21:21:28.0, 3.1, 71.43N, 11.09W, ML4.4
BER 02 21:21:29.7, 2.6, 71.43N, 11.15W, h10km, m(Pn)J4, 1,
ML4.4(NAO), Confirmed Earthquake

HTT Hallett 40.81 163 P P 21 34 17.6 +0.8
SONM Songoing Array 45.20 342 P P 21 34 52.7 +0.5

ASAR Alice Springs 21.87 193 P P 21 22 39.5 -1.4
MKAR Makanchi Array 69.57 322 P P 21 22 08.61 -0.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JMI, JMJC, JMIC, JMW, JNE, SCO, DBG, DAG, SPA0, STOK, TRO, NOR, LEIR, JETT, HOPEN, ARAO.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for PETK, MK31, ZALV, KURBB, BTK, GAR, GAR, NRIK, NRIK, NRIK, ARTI, ARTI, ARTI, C23K, C23K, FINES, TORD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for IDC 02 22:08:19.1, 2.7, 8.03S, 119.14E, h0km, mb3.5/3, mbtmp3.4/5, ML3.7/1, Error ellipse: s-maj=238.3km.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JNE, SCO, DBG, DAG, SPA0, STOK, TRO, NOR, LEIR, JETT, HOPEN, ARAO.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for NRIK, NRIK, NRIK, ARTI, ARTI, ARTI, C23K, C23K, FINES, TORD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for ISK 02 22:11:18.5, 38.53N, 44.21E, h5km, ML2.4/12, AFAD 02 22:11:19.0, 38.54N, 44.14E, h9km, 6km, ML2.3.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JNE, SCO, DBG, DAG, SPA0, STOK, TRO, NOR, LEIR, JETT, HOPEN, ARAO.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for NRIK, NRIK, NRIK, ARTI, ARTI, ARTI, C23K, C23K, FINES, TORD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for AZER 02 22:11:19.6, 1.0, 38.56N, 0.03, 44.20E, 0.02, h9km, 8km, n39, c125/58, Turkey-Iran border region.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JNE, SCO, DBG, DAG, SPA0, STOK, TRO, NOR, LEIR, JETT, HOPEN, ARAO.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for NRIK, NRIK, NRIK, ARTI, ARTI, ARTI, C23K, C23K, FINES, TORD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for OZAP, TVAN, VANE, AVNB, VMUR, VMUR, YOVA, AKDM, AKDM, DYDN, ADVC, NAX, HYR, IGD, SBZ, DORK, DORK, DORK, AGRB, HANUR, CUKT, MLAZ, TASB, PERV, ORD, KOTA, GNI, GURU, SIRT, SIRT, DIGO, MUG, VRTB, KOPR, SENK, GDB, GDB, ORD, ORD, OZAP, OZAP, BLQ, YRD, YRD, LRK, LRK, GLBA, ASTR, ASTR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JNE, SCO, DBG, DAG, SPA0, STOK, TRO, NOR, LEIR, JETT, HOPEN, ARAO.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for NRIK, NRIK, NRIK, ARTI, ARTI, ARTI, C23K, C23K, FINES, TORD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for OZAP, TVAN, VANE, AVNB, VMUR, VMUR, YOVA, AKDM, AKDM, DYDN, ADVC, NAX, HYR, IGD, SBZ, DORK, DORK, DORK, AGRB, HANUR, CUKT, MLAZ, TASB, PERV, ORD, KOTA, GNI, GURU, SIRT, SIRT, DIGO, MUG, VRTB, KOPR, SENK, GDB, GDB, ORD, ORD, OZAP, OZAP, BLQ, YRD, YRD, LRK, LRK, GLBA, ASTR, ASTR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for JNE, SCO, DBG, DAG, SPA0, STOK, TRO, NOR, LEIR, JETT, HOPEN, ARAO.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for NRIK, NRIK, NRIK, ARTI, ARTI, ARTI, C23K, C23K, FINES, TORD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for OZAP, TVAN, VANE, AVNB, VMUR, VMUR, YOVA, AKDM, AKDM, DYDN, ADVC, NAX, HYR, IGD, SBZ, DORK, DORK, DORK, AGRB, HANUR, CUKT, MLAZ, TASB, PERV, ORD, KOTA, GNI, GURU, SIRT, SIRT, DIGO, MUG, VRTB, KOPR, SENK, GDB, GDB, ORD, ORD, OZAP, OZAP, BLQ, YRD, YRD, LRK, LRK, GLBA, ASTR, ASTR.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BZGR, BZWR, KMNRR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FYU, BMAR, KRSR, H1N2, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AKASC, HRA, EKA, AKT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like UZB Uzynbulak, DJR Jarkent, KPKS Kokpek, SATY Saty, ZHN Zhiniskhe, etc.

SDD 02 23:28:41.1-1.8, 18°36'N-68°35'W, h205km±15km, MD3.1, ML2.7, MW2.6, Mona Passage

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HATOM Hato Mayor del, AGPR Aguadilla, CRPR Cabo Rojo, etc.

RSPR 02 23:29:07.5, 19°08'N-66°36'W, h24km±22km, MD2.8/7, 1C-6D, Puerto Rico region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AGPR Aguadilla, AOPR Arecibo, CELP Cerrillos, etc.

IDC 02 23:31:57.4-2.8, 27°00'N-55°10'E, h0km, mb3.5/6, mbmp3.5/6, MS3.4/1, Error ellipse: s-maj=77.2km s-min=24.7km az=152.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AGPR Aguadilla, AOPR Arecibo, UUPR Las Mesas, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LAR1 LAR, QMR1 Qair, GEND Lamerd, etc.

IDC 02 23:47:15.1±1.2, 9°68'S-118°03'E, h0km, mb3.5/7, mbmp3.7/10, ML3.8/3, Error ellipse: s-maj=43.2km s-min=17.3km az=47.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PLAI Plampang, WBSI Waikabubak, TWSI Taliwang, etc.

DJA 02 23:47:16.7±0.7, 0.9°S-4.1°E, h11km±5km, M4.3/18, mb3.5/2, mb4.7/7, MLV4.2/18, MWbM4.9/2

ISC 02 23:47:16.7±0.8, 9°50'S-0.07°118.07'E-0.05, h10km, n28, r1113/0, mb3.6/6, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAR Alce Springs, STKA Stephens Creek, H0S2 Diego Garcia, etc.

JMA 03 00:02:13.8±0.4, 44°N±5°14'E±1°, h30km, MV3.6/10, SE OFF ETOROFU

SKHL 03 00:02:16.2±0.4, 43°30'N-148°30'E, h46km±4km, mb4.0/4

ISC 03 00:02:15.0±0.8, 43°39'N-149°02.2, h35km, n11, r139/22, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUR Kuril'sk, ZALV Zalesovo Beam, BVAR Borovoye Array, etc.

ISC 03 00:03:09.9±0.3, 55°7'15"S-26°9'18"W, h0km, mb4.5/12, mbmp4.5/12, MS3.7/21, Error ellipse: s-maj=19.6km s-min=16.4km az=67.0

NEIC 03 00:03:08.2±1.6, 55°7'S-0.1±27°0'W-0.2, h10km±1km, mb5.1/39, Error ellipse: s-maj=20.6km s-min=15.4km az=314.0

ISC 03 00:03:09.9±0.3, 55°7'15"S-26°9'18"W, h25km, n262, r150/239, mb5.0/28, MS3.7/21, 4D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

Table with columns: SHO, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NEM2 Nemuro, NMR Nemuro-Hokkai, etc.

IDC 03 00:03:06.2±0.5, 55°7'15"S-26°9'18"W, h0km, mb4.5/12, mbmp4.5/12, MS3.7/21, Error ellipse: s-maj=19.6km s-min=16.4km az=67.0

NEIC 03 00:03:08.2±1.6, 55°7'S-0.1±27°0'W-0.2, h10km±1km, mb5.1/39, Error ellipse: s-maj=20.6km s-min=15.4km az=314.0

ISC 03 00:03:09.9±0.3, 55°7'15"S-26°9'18"W, h25km, n262, r150/239, mb5.0/28, MS3.7/21, 4D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

IDC 03 00:03:06.2±0.5, 55°7'15"S-26°9'18"W, h0km, mb4.5/12, mbmp4.5/12, MS3.7/21, Error ellipse: s-maj=19.6km s-min=16.4km az=67.0

NEIC 03 00:03:08.2±1.6, 55°7'S-0.1±27°0'W-0.2, h10km±1km, mb5.1/39, Error ellipse: s-maj=20.6km s-min=15.4km az=314.0

ISC 03 00:03:09.9±0.3, 55°7'15"S-26°9'18"W, h25km, n262, r150/239, mb5.0/28, MS3.7/21, 4D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SMAI San Martin Ant, BELA Belgrano, USHA Ushuaia, etc.

IDC 03 00:03:06.2±0.5, 55°7'15"S-26°9'18"W, h0km, mb4.5/12, mbmp4.5/12, MS3.7/21, Error ellipse: s-maj=19.6km s-min=16.4km az=67.0

NEIC 03 00:03:08.2±1.6, 55°7'S-0.1±27°0'W-0.2, h10km±1km, mb5.1/39, Error ellipse: s-maj=20.6km s-min=15.4km az=314.0

ISC 03 00:03:09.9±0.3, 55°7'15"S-26°9'18"W, h25km, n262, r150/239, mb5.0/28, MS3.7/21, 4D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CPUP Villa Florida, CPUP Santa Cruz, CPUP Amambai, etc.

IDC 03 00:03:06.2±0.5, 55°7'15"S-26°9'18"W, h0km, mb4.5/12, mbmp4.5/12, MS3.7/21, Error ellipse: s-maj=19.6km s-min=16.4km az=67.0

NEIC 03 00:03:08.2±1.6, 55°7'S-0.1±27°0'W-0.2, h10km±1km, mb5.1/39, Error ellipse: s-maj=20.6km s-min=15.4km az=314.0

ISC 03 00:03:09.9±0.3, 55°7'15"S-26°9'18"W, h25km, n262, r150/239, mb5.0/28, MS3.7/21, 4D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ARAQ Araguaiana, SALV Sao Antonio, BOSA Boshaft, etc.

IDC 03 00:03:06.2±0.5, 55°7'15"S-26°9'18"W, h0km, mb4.5/12, mbmp4.5/12, MS3.7/21, Error ellipse: s-maj=19.6km s-min=16.4km az=67.0

NEIC 03 00:03:08.2±1.6, 55°7'S-0.1±27°0'W-0.2, h10km±1km, mb5.1/39, Error ellipse: s-maj=20.6km s-min=15.4km az=314.0

ISC 03 00:03:09.9±0.3, 55°7'15"S-26°9'18"W, h25km, n262, r150/239, mb5.0/28, MS3.7/21, 4D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GO01 Chumizma, H10N1 ASCENSION HYDR47.6, etc.

VILB	Vilhena	49.86 316	P	Iamb	00 12 00.6	-0.3
VILB	comp=Z,12nm,0.8s				00 12 01.6	
VILB	Vilhena	49.86 316	eP	P	00 12 00.8	-0.1
LPAZ	La Paz	50.32 305	P	Iamb	00 12 05.6	+0.5
LPAZ	comp=Z,14nm,0.8s				00 12 06.8	
LPAZ	La Paz	50.32 305	P	P	00 12 05.4	+0.3
LPAZ	comp=Z,12nm,0.7s,baz=154,slow=4.0,SNR=40				00 32 43.3	
LPAZ	comp=Z,51nm,21.7s,baz=144,slow=55					
LPAZ	La Paz	50.32 305	eP	P	00 12 05.9	+0.8
ETMB	Extrema	55.17 310	P	Iamb	00 12 40.0	-0.3
ETMB	comp=Z,17nm,1.0s				00 12 41.2	
ETMB	Extrema	55.17 310	eP	P	00 12 40.3	0.0
MAL2	Monte Alegre,	57.90 327	P	Iamb	00 13 00.3	+0.7
CSZB	comp=Z,12nm,0.9s				00 13 40.1	
CSZB	Cruzeiro do Su	59.93 305	P	Iamb	00 13 13.1	-0.7
CSZB	comp=Z,7.4nm,0.8s				00 13 13.5	
ATAH	Altahuajpa	63.17 300	LR	LR	00 40 42.3	
BOAV	Boa Vista	64.12 322	P	Iamb	00 13 41.2	-0.7
BOAV	comp=Z,13nm,0.7s				00 13 42.1	
BOAV	Boa Vista	64.12 322	eP	P	00 14 17.9	+1.0
DBIC	Dimbokro	68.81 24	LR	LR	00 35 03.6	
OPO	comp=Z,63nm,21.6s,baz=201,slow=30				00 36 43.2	
OPO	Ambohiratomp	65.92 88	LR	LR	00 36 43.2	
OPO	comp=Z,11nm,21.8s,baz=235,slow=31					
OTAV	Otavalo	69.61 303	P	Iamb	00 14 18.3	+1.0
OTAV	comp=Z,24nm,1.6s				00 47 12.0	
ROSC	El Rosal	71.80 309	LR	LR	00 47 12.0	
ROSC	comp=Z,24nm,20.1s,baz=194,slow=57					
MBAR	Mbarara	71.86 63	LR	LR	00 43 20.7	
MBAR	comp=Z,47nm,20.9s,baz=192,slow=34					
TORD	Torodi Ar. Bea	72.70 29	P	LR	00 14 36.2	+0.9
TORD	comp=Z,1.5nm,0.5s,baz=201,slow=5.8,SNR=41				00 39 21.6	
TORD	comp=Z,38nm,19.9s,baz=140,slow=30					
PCRV	Puerto La Cruz	72.80 321	LR	LR	00 49 36.6	
BAUV	El Baul	72.93 317	P	Iamb	00 14 37.9	
BAUV	comp=Z,31nm,1.0s				00 14 42.5	-0.3
SDV	Santo Domingo	73.89 315	P	Iamb	00 14 43.8	
SDV	comp=Z,12nm,0.8s				00 48 45.1	
SDV	Santo Domingo	73.89 315	LR	LR	00 48 45.1	
SDV	comp=Z,68nm,18.9s,baz=92,slow=37				00 14 42.8	+0.1
KMBO	Kilima Mbogo	74.78 69	P	P	00 14 47.8	-0.2
KMBO	comp=Z,60nm,21.1s,baz=94,slow=34				00 45 03.2	
CBE	Ff. Capester	77.27 326	P	P	00 15 01.8	0.0
GDHS	Morne Mazaau,	77.51 326	P	P	00 15 03.8	+0.5
LBZ	Lake Benmore	79.21 192	P	P	00 15 12.5	+0.1
SJG	San Juan	80.68 322	LR	LR	00 50 45.2	
TAU	Tasmania Unive	81.61 176	P	P	00 15 26.0	+0.8
H08S1	Diego Garcia H	86.99 102	T	T	01 53 46.3	
H08S2	Diego Garcia H	89.00 102	T	T	01 53 47.8	
H08S3	Diego Garcia H	89.01 102	T	T	01 53 48.3	
H08S3	comp=Z,21.7s,SNR=6.8					
BBOO	Bucklebo	90.62 166	P	P	00 16 09.8	-0.1
TEIG	Tepeich	91.65 304	P	P	00 16 14.3	-0.3
STKA	Stephens Creek	92.19 170	P	P	00 16 18.0	+0.8
STKA	comp=Z,0.9nm,0.4s,baz=195,slow=2.2,SNR=1.8					
PP2T	Papeete2	92.50 233	eLR	LR	00 45 53.8	
PP2T	comp=Z,26nm,30.8s				00 49 19.6	
PPT	Papeete	92.52 233	LR	LR	00 49 19.6	
PPT	comp=Z,39nm,20.0s,baz=182,slow=30					
ASAR	Alice Springs	99.25 162	P	Pdf	00 16 48.6	-0.8
ASAR	comp=Z,0.9nm,0.6s,baz=182,slow=3.6,SNR=8.5					
WRA	Warramunga Ar	102.96 162	P	P	00 17 05.2	-0.8
WRA	comp=Z,0.5nm,0.7s,baz=196,slow=4.4,SNR=9.9					
FINES	FINES Array B	124.02 28	PKP	PKPdf	00 22 03.8	-0.6
CMAR	Chiang Mai Ar	125.03 110	PKP	PKPdf	00 22 07.8	+0.1
CMAR	comp=Z,3.9nm,0.6s,baz=238,slow=2.8,SNR=7.8					
ABKAR	Akbaluk array	127.06 55	PKPdf	PKPdf	00 22 10.9	+0.4
AAK	Ala-Archla	129.72 70	PKP	PKP	00 22 16.9	+0.1
BVAR	Borovoyne Ar	134.47 57	PKP	PKPdf	00 22 24.9	+0.3
BVAR	comp=Z,1.0nm,0.5s,baz=198,slow=2.4,SNR=9.9					
YKA	Yellowknife Ar	136.04 318	PKP	PKPdf	00 22 26.2	-0.9
YKA	comp=Z,0.6nm,0.5s,baz=140,slow=2.2,SNR=10					
YKA	PP				00 25 06.1	-1.7
MK31	Makareni Array	136.63 71	PKP	PKPdf	00 22 29.7	+0.9
MK31	comp=Z,0.5nm,0.6s,baz=226,slow=2.1,SNR=8.9				00 22 30.1	-0.5
KURBB	Kurchatov Ar	137.02 64	PKP	PKPdf	00 22 29.2	-0.1
KURBB	comp=Z,0.4nm,0.5s,baz=211,slow=1.6,SNR=4.9					
WZH	Urumqi Ar	137.69 78	PKP	PKP	00 22 32.7	-0.1
LNQ	Lanzhou	141.51 100	ePKP	PKPdf	00 22 34.5	-3.7
ZALV	Zalesovo Beam	142.09 63	PKHkP	PKPpre	00 22 33.3	
ZALV	comp=Z,0.3nm,0.4s,baz=220,slow=5.6,SNR=2.5					
ZALV	PKP				00 22 40.1	+1.7
HYT	Haines Junctio	144.72 307	PKP	PKP	00 22 42.5	+0.4
HYT	comp=Z,1.1nm,0.4s,baz=235,slow=3.8,SNR=7.4				00 22 43.2	+0.2
N30M	Aishikik Lake	144.79 309	PKP	PKPdf	00 22 43.3	+0.3
N30M	comp=Z,113				00 22 43.4	+0.3
M30M	Minto, Yukon	145.08 310	P	PKPab	00 22 43.3	+0.1
H31M	Peel River	145.20 316	P	PKPab	00 22 43.5	+0.1
YUK4	Talbot Arm	145.44 308	P	PKPab	00 22 44.9	+0.2
F31M	Tsighetchic	145.48 319	P	PKPab	00 22 44.5	+0.1
G31M	Satah River	145.53 318	PKPdf	PKP	00 22 44.3	+0.1
G31M	comp=Z,1.1nm,0.4s,baz=220,slow=5.6,SNR=2.5				00 22 45.4	+0.3
J30M	Hart River	145.59 314	P	PKPab	00 22 45.4	+0.3
J30M	comp=Z,1.1nm,0.4s,baz=220,slow=5.6,SNR=2.5					
INK	Inuvik	145.65 321	PKP	PKP	00 22 44.6	0.0
INK	comp=Z,1.1nm,0.4s,baz=220,slow=5.6,SNR=2.5				00 22 45.1	+0.1
M29M	Somme Creek	145.76 310	P	PKPab	00 22 45.8	+0.1
I30M	Mount Dempster	145.82 315	P	PKP	00 22 45.5	+0.1
K29M	Barlow Dome	145.84 312	P	PKP	00 22 45.8	+0.2
L29M	L29M	145.85 311	P	PKPab	00 22 46.2	+0.2
YUK8	Steele Glacier	145.91 307	P	PKPab	00 22 46.4	-0.1
O28M	Mount Upton	145.91 306	P	PKPab	00 22 47.0	+0.4
G30M	Taoh Zrai Nji	146.28 318	P	PKPab	00 22 47.3	-0.2
F31M	Barrier River	146.29 319	P	PKP	00 22 46.9	+0.2
EPYK	Eagle Plains	146.30 317	P	PKP	00 22 47.0	+0.2
NJ2	Nanjing	146.37 120	P	PKP	00 22 47.3	+0.7
DAWY	Dawson	146.69 312	P	PKP	00 22 47.8	-0.2
H29M	Whitestone	146.90 316	P	PKP	00 22 48.7	+0.2
G29M	Pine Creek	146.94 318	P	PKP	00 22 48.9	+0.3
M27K	Edge Creek, AK	147.22 309	P	PKP	00 22 49.3	-0.3
E29M	Glow River	147.25 320	P	PKP	00 22 49.4	0.0
I28M	Miner Creek	147.31 315	P	PKP	00 22 49.5	-0.3
BCAR	Beaver Creek A	147.41 310	PKP	PKP	00 22 49.6	-0.4
L27K	Beaver Creek	147.42 310	P	PKP	00 22 50.5	+0.5
D28M	Stokes Point	147.73 322	P	PKP	00 22 51.2	+0.6

F28M	Old Crow	147.81 319	P	PKP	00 22 50.9	0.0
F28M	comp=Z,147.81 319					
E28M	Babbage River	147.88 320	P	PKP	00 22 51.5	+0.4
I27K	Kandik River	148.03 315	P	PKP	00 22 51.8	+0.1
L26K	Log Cabin Wild	148.07 309	P	PKP	00 22 52.0	+0.3
BTO	Baotou	148.13 100	ePKP	PKP	00 22 45.8	-3.6
H27K	Steamboat Moun	148.14 316	P	PKP	00 26 15.8	-5.8
H27K	comp=Z,148.14 316				00 22 52.4	+0.5
G27K	Doyon Strip	148.32 317	P	PKP	00 22 52.4	+0.1
G27K	comp=Z,148.32 317				00 22 52.4	+0.1
D27M	Malcolm River	148.50 321	P	PKP	00 22 53.5	+0.7
D27M	comp=Z,148.50 321				00 22 53.4	+0.7
E27K	Coleen River	148.56 319	P	PKP	00 22 53.2	+0.3
J26L	Joseph Creek	148.56 312	P	PKP	00 22 53.3	+0.2
I26K	Coal Creek Min	148.59 314	P	PKP	00 22 53.6	+0.6
SCRK	Sand Creek	148.61 311	P	PKP	00 22 53.8	+0.6
NRIK	Norilsk	148.66 38	ePKP	PKP	00 22 53.5	+0.4
NRIK	comp=Z,1.6nm,0.6s,baz=107,slow=3.6,SNR=4.4				00 22 54.4	+0.7
TIA	Tai'an	148.79 114	PKP	PKP	00 22 53.4	-1.0
RIDG	Independent Ri	148.92 310	P	PKP	00 22 54.5	+0.6
PAXN	Paxson	148.99 309	P	PKP	00 22 54.8	+0.6
P23K	Montague Islan	149.00 303	P	PKI	00 22 55.6	+0.1
M24K	Tolsona, Glenn	149.07 307	P	PKI	00 22 55.3	-0.3
HHC	Hu-ho-hao-te	149.16 101	eP	PKP	00 22 48.6	-2.5
HHC	comp=Z,149.16 101				00 22 50.3	-0.8
G26K	Porcupine Rive	149.17 317	P	PKP	00 22 54.8	+0.5
K24K	Donnelly Dome	149.34 310	P	PKP	00 22 55.5	+0.6
J25K	Salcha River,	149.35 312	P	PKI	00 22 56.0	-0.1
F26K	Sheenjek River	149.43 318	P	PKI	00 22 56.0	-0.2
F26K	comp=Z,149.43 318				00 22 56.3	+0.1
C27K	Jago River	149.51 322	P	PKP	00 22 55.8	+0.6
C27K	comp=Z,149.51 322				00 22 56.3	0.0
PRP	Porcupine Dome	149.60 314	P	PKI	00 22 56.5	-0.2
M23K	Glacier View	149.69 306	P	PKI	00 22 57.2	+0.4
PWL	Port Wells	149.71 304	P	PKI	00 22 57.6	+0.7
WAT6	Susitna Watana	149.90 308	P	PKI	00 22 57.3	-0.1
KNK	Knik Glacier	149.92 305	P	PKI	00 22 57.5	+0.1
SML	Sawmill	149.97 306	P	PKP	00 22 57.1	+0.5
HDA	Harding Lake	149.97 311	P	PKI	00 22 57.4	+0.1
F25K	Christian River	149.98 318	P	PKI	00 22 57.2	-0.1
ILAR	Gleason Array	150.02 312	PKP	PKP	00 22 56.6	+0.1
E25K	Arctic Village	150.02 319	P	PKI	00 22 57.2	-0.2
G25K	Barman Lake	150.04 316	P	PKI	00 22 57.8	+0.4
COLA	College	150.44 312	P	PKI	00 22 58.7	+0.5
BRSE	Bradley Lake S	150.52 301	P	PKI	00 22 59.0	+0.3
SONM	Songino Array	150.55 86	PKP	PKP	00 22 58.7	+0.1
G24K	Hadweenczi Riv	150.57 316	P	PKI	00 22 58.4	-0.1
G24K	comp=Z,3.7nm,0.6s,baz=222,slow=3.0,SNR=26				00 22 58.5	-0.1
H24K	Noodor Dome	150.61 314	P	PKI	00 22 58.4	-0.3
MCK	McKinley	150.69 310	P	PKI	00 22 59.0	+0.1
KDAD	Kodiak Island	150.81 297	PKP	PKP	00 22 58.6	0.0
KDAD	comp=Z,150.81 297				00 22 59.3	0.0
F24K	Squaw Lake	150.83 317	P	PKI	00 22 59.2	+0.1
NEA2	Nenana	150.91 311	P	PKI	00 22 59.2	-0.1
E24K	Your Creek	151.10 319	P	PKI	00 22 59.8	+0.1
I23K	Minto, Yukon-K	151.12 312	P	PKP	00 22 59.2	+0.1
TRF	Thorofare Moun	151.23 309	P	PKP	00 22 59.9	+0.3
C24K	Franklin Bluff	151.26 322	P	PKP	00 22 59.3	0.0
D24K	Happy Valley	151.28 321	P	PKP	00 22 59.6	+0.2
SKT	Skwentna	151.48 306	P	PKP	00 23 00.2	+0.1
E23K	Chandalar	151.53 318	P	PKI	00 23 00.6	+0.1
TOLK	Toolik Lake Re	151.54 320	P	PKI	00 23 00.9</	

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Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MLPR, GBPR, AOPR, SDDR, IGPR, etc.

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Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TIXI, ZALV, MKAR, KURBB, FINES, NOA, HFS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNAE, Dimbokro, ANMO, TORO, PDAR, BOS, ESDC, YKA.

NEIC 03 00:43:38.8-0.5, 19°1N-02:64', 19W-01:04, h35km, 2km, ML2-4/20, Md3.5/7(RSPR), Error ellipse: s-maj=26.0km

RSR 03 00:43:40.2, 19°12N-64°26W, h71km, 17km, MD3.5/7, ISC 03 00:43:38.1-2.8, 19.0N-02:64'21W-01:07, h22km, n23,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Col San Antoni, Patillas Dam, InterUniversit, Experimental S, Cabo Rojo, La Dsirade ls.

AUST 03 00:45:42.9-0.4, 31°S-7°13'00E, h10km, mb3.7/7, ML3.1/6, Error ellipse: s-maj=15.8km s-min=5.2km

NOU 03 00:45:45.1, 31°10S-129°71E, h0km, MLv4.1/8, Near Coast of South Australia

ISC 03 00:45:46.1-1.2, 31°11S-01:129.74E-0:07, h10km, n18, a129/13, Near coast of South Australia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Forrest, Buckleboo, Warakurna, WRKA, KMBL, LCRK, YAPP, NAPP, HTT, AS01, STKA, MEEK.

MOS 03 00:48:06.2-0.8, 28°15N-104°92E, h11km, mb5.3/77, MS4.7/21, Error ellipse: s-maj=5.4km s-min=3.2km

IDC 03 00:48:06.2-0.4, 28°17N-104°88E, h0km, mb4.9/38, mbtmp4.9/40, ML5.3/2, MS4.3/72, Error ellipse:

NEIC 03 00:48:08.4, 28°19N-104°92E, h12km, NEIC 03 00:48:08.4, 1.2, 28°19N-01:06-104°92E-0:07, h10km, 1km,

BUJ 03 00:48:08.5, 28°19N-104°88E, h15km, mb5.0/36, mb4.9/61, ML5.1/20, MS5.1/80, MS7.4/976

NEIC 03 00:48:08.4, 28°19N-105°03E, h12km, Moment Tensor Solution: Duration: 1.55, Moment tensors: Scalar 1019Nm;

M1: 1.82; M2: 0.50; M3: -2.32; M4: -0.53; M5: -0.89; M6: 0.04; Fault plane solution: M2: 31000x1016 NP1;

0.355; 32000; 847.75000; 1.59.49000; NP2: 0.216.56000; 850.38000; 1.119.21000; Principal axes:

T 3.0237, P1g68.0000; Azm193.0000; P -0.5463, P1g22.0000; Azm17.0000; P -2.5790, P1g1.0000;

Azm286.0000; GCMT 03 00:48:08.4, 0.2, 28°19N-02:104°95E-0:01, h12km, MW5.0/88, Moment Tensor Solution, s25,c27; s88,c151;

Duration: 0, Moment tensor: Scale 1019Nm; M1: 2.22; M2: 0.74; M3: 2.96; M4: 1.47; M5: 1.26; M6: 0.6;

M7: 0.82; M8: 2.0; Best double couple: M3: 3.3700x1016 NP1; 0.349.00000; 841.00000; 1.43.00000; NP2:

0.223.00000; 863.00000; 1.122.00000; Principal axes: T 3.1270, P1g59.0000; Azm179.0000; N 0.4890,

P1g28.0000; Azm27.0000; P -3.6130, P1g12.0000; Azm290.0000; nsta1 refers to body waves, cutoff=40s,

nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BGR 03 00:48:14.1, 28°16N-104°60E, h33km, mb5.1, ISC 03 00:48:09.0-0.4, 28°15N-02:104°88E-0:02, h17km, 2km,

h17km; pP-P, n1013, c1922/1065, mb5.1/270, MS4.5/96, 52C-54D, Sichuan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Guiyang, Chengdu, PanZhiHua, Kunming, TengChong, Xian, LuoYang, Guanzhou, Lanzhou, Wuhan, Luoyang, Beijing, Dalian, Guangzhou, Qiongzong, Taiyuan, GeErMu, Shilong.

GTA Gaotai 12.00 341 eP Pn 00 51 04.0 +1.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LSA Lhasa, HNS HongShan, QZH Quanzhou, NJ2 Nanjing, TIA Taian, BTO Baotou, HHC Hu-ho-hao-te, SHESHAN, SRDT, BJT, SSSLB, DL2, QXLT, SONM, ULN, HJU, SRIT, SUJ.

HHC Hu-ho-hao-te 13.81 221/2 Pn 00 51 22.6 -1.5

HHC Hu-ho-hao-te 13.81 221/2 Pn 00 51 22.6 -1.5

HHC Hu-ho-hao-te 13.81 221/2 Pn 00 51 22.6 -1.5

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HHC Hu-ho-hao-te 13.81 221/2 Pn 00 51 22.6 -1.5

Table with columns for station call signs (SUJ, TGY, SNY, etc.), frequencies, and signal strength/quality indicators.

Table with columns for station call signs (MK31, MKAR, PRZ, etc.), frequencies, and signal strength/quality indicators.

Table with columns for station call signs (KURBB, KURK, BOD, etc.), frequencies, and signal strength/quality indicators.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy. Rows include stations like Chandalar, Hoyanger, G7?trrup, Nushagak River, Danmarks Havn, etc.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy. Rows include stations like DBG, BMAR, F26K, COLA, COLA, COLA, etc.

3d 0h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Accuracy, Elevation Accuracy. Rows include stations like EGAK, EGAK, EGAK, MENT, MENT, A36M, etc.

3d 1h

Table with columns: Station Name, Code, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like KEST, M31M, UPNV, etc.

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Table with columns: NVL, pmax, pmax, and station details. Includes stations like GSPA, TROLL, SNA, etc.

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Table with columns: Station Name, Code, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like KIF, HEF, RES, etc.

Table with columns: PPLA, M24K, DIV, IVE, TRF, RND, EYAK, L20K, N19K, KTH, KTH, KTH, CAST, O19K, MCK, HARF, L10K, N25K, N25K, BMRM, GOAT, PAX, WACK, CHUM, K20K, K20K, M18K, GLB, GLB, M17K, M17K, M17K, N17K, N17K, BALM, KIAG, IL31, J19K, J19K, J18K, I23K, I23K, M16K, M16K, N16K, H21K, L16K, L16K, L16K, BER, DNK, ISC, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC

Table with columns: ISC 03 01:25:07.8, 1.4, 54.93N, 0.4, 164.6E, 0.2, h27km, n11, c19197, mb3.5, Komandorsky Islands region, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC

Table with columns: CLCO, CLCO, OKTU, MREP, MREW, MSW, UNV, UNV, MTBL, AKMO, AKMO, AKRB, LVA, LVA, LVA, AHB, AHB, WESE, WESE, ATKA, ATKA, ATKA, SSSL, SSSL, ISLN, ISLN, INSN, INSN, FALS, FALS, FALS, GSTR, ADK, ADK, PNTA, PNTA, PS4A, PS4A, P14A, P14A, KIWB, KIWB, SPIA, SPIA, TAFP, TAFP, TASE, TASE, CNBA, CNBA, CAAB, CAAB, GAREO, GAREO, CHGN, CHGN, CHIR, CHIR, H19K, H19K, F19K, F19K, IMAR, IMAR, G21K, G21K, G21K, F20K, F20K, E19K, E19K, E19K, F21K, F21K, F21K, E21K, E21K, E22K, E22K, D22K, E24K, E24K, B21K, B21K, TOLK, TOLK, D23K, D23K, D24K, D24K, C23K, C23K, C24K, C24K, D25K, D25K, D25K, PETK, PETK, E27K, E27K, C27K, C27K, C27K, D27M, D27M, YKA, YKA, YKA, O02D, O02D, NVAR, NVAR, H1N2, H1N2, H1N3, H1N3, H1N1, H1N1, H1S1, H1S1, H1S2, H1S2, H1S3, H1S3, PDAR, PDAR, ANMO, ANMO, TXAR, TXAR, ARCES, ARCES, KURBB, KURBB, KURBB, BVAR, BVAR, BVAR, MK31, MK31, MK31, MKAR, MKAR, MKAR, FINES, FINES, NOA, NOA, HFS, HFS, HFS, ABKAR, ABKAR, ABKAR, EKA, EKA, AKASG, AKASG, WRA, WRA, WRA, ESDC, ESDC, ESDC, NIKH, NIKH, NIKH

Table with columns: BER 03 01:09:56.2, 2.2, 82.52N, 6.82W, h10km, mb(Pn)3.8, Confirmed Earthquake, DNK 03 01:09:56.4, 3.0, 82.25N, 7.12W, h0km, 15km, ML2.0, ISC 03 01:09:59.1, 1.4, 82.32N, 0.1, 6.64W, 0.05, h10km, n21, c297/36, 1C, North of Svalbard, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC

Table with columns: NEIC 03 01:40:36.3, 0.9, 36.029N, 0.010, 97.30W, 0.01, h7km, 4km, Error ellipse: s-maj=1.4km s-min=1.3km az=186.0, NEIC 03 01:40:36.2, 0.7, 36.019N, 0.008, 97.29W, 0.01, h4km, 3km, ML1.9/35, ML2.5/18, Error ellipse: s-maj=1.5km s-min=1.2km az=108.0, Oklahoma, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC

Table with columns: NEIC 03 01:53:59.2, 1.6, 51.57N, 0.04, 168.21W, 0.08, h10km, 1km, mb4.0/24, ML3.8/6, ML3.6(AEIC), Error ellipse: s-maj=5.6km s-min=5.4km az=122.0, AEIC 03 01:54:00.7, 1.7, 51.82N, 0.06, 168.19W, 0.07, h7km, 6km, Error ellipse: s-maj=10.1km s-min=9.4km az=208.0, IDC 03 01:54:02.4, 1.1, 51.47N, 162.93W, h34km, 5km, mb3.8/17, mbmp4.0/17, MS3.4/1, Error ellipse: s-maj=27.8km s-min=16.1km az=12.0, ISC 03 01:53:59.6, 1.1, 51.62N, 0.08, 168.24W, 0.05, h11km, 6km, n85, c093/84, mb4.0/18, Fox Islands, Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKGG Akutan Green G, UNV Unalaska Valle, UNV Unalaska Valle, MTBL Makushin Table, MSW Makushin Swite, HAG Hague Volcano, PN7A Pavlov North-7, VSA Pavlov South-1, OKSP Okmok Steeple, NIKH Nikolski High.

IDC 03 02:09:03.7-0.9, 1.91N, 128.17E, h0km, mb3.7/8, mbmp3.7/8, Error ellipse: s-maj=81.2km s-min=17.2km az=70.0

DJA 03 02:09:05.0-0.6, 2.1N, 128.17E, h10km, M3.9/6, Mlv3.9/6

ISC 03 02:09:14.7-0.9, 1.9N, 128.3E, h2km, n9, c0597/9, mb3.7/8, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, SONM Songino Array, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, ILAR Eilonn Array.

SJA 03 02:17:14.2-0.6, 35.16S, 71.15W, h109km, 3km, ML3.4, MW3.5

GUC 03 02:17:16.1-0.8, 35.09S, 71.27W, h106km, 4km, ML3.7

ISC 03 02:17:13.4-1.9, 35.16S, 71.20W, 0.07, h120km, 10km, n36, c142/67, 2C-13D, Central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BO02 Sierra Bellavi, ML02 Panimavida, BO01 Tunca, MT01 Popeta, MT09 Talagante, MT12 Pirque, VA05 Santo Domingo, LMEL Las Melosas, MT13 San Alfonso, MT15 Las Vizcachas, MT03 Universidad Ad, MT05 Renca, MT16 CCHEN, MT14 Cerro Caljn, MT02 Curacav, MT04 Ro Olivares, MT10 Hacienda Santa, MT08 Bocatoma Ro, PEL Peldehue, ROCH El Roble, RFA San Rafael, VA03 San Esteban, VA06 Caticapilo, RTLL Cerro Villucun, ACCO Cerro Coronel, AROD Rodeo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AROD Valle Fertil, APPL PUNTA DE LOS L, AACL CERRRO LA CRUZ, VCA Vinchina, CYA Choya.

IDC 03 02:24:06.8-17.0, 3.66S, 128.33E, h118km, 168km, mb3.6/4, mbmp4.0/5, ML, Error ellipse: s-maj=122.6km s-min=40.9km az=62.0

DJA 03 02:24:19.8-0.7, 4.7S, 127.8E, h207km, 5km, M4.2/10, mb4.5/1, Mlv4.0/10

ISC 03 02:24:17.4-0.9, 4.14S, 127.81E, h200km, n13, c255/15, mb4.0/3, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ALAI Ambon, MSAL Masohi, SANI Sanana, SWA Fak Fak, KMPI Kaimana, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, KURBB Kurchatov Arra.

IDC 03 02:28:39.9-1.9, 35.26N, 29.23E, h0km, mb3.5/2, mbmp3.4/4, ML3.3/2, MS2.6/1, Error ellipse: s-maj=37.2km s-min=23.5km az=179.0

ISC 03 02:28:44.6-35.40N, 29.07E, h11km, ML2.7/15, AFAD 03 02:28:45.1-35.53N, 29.15E, h20km, 1km, ML2.7

ISC 03 02:28:21.0-2.3, 21.06N, 17E, 0.05, h37km, n52, c152/70, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IZZE Mula-Seydikie, ARG Arkhangelsk, FEYI Fethiye, FEYI Fethiye, KATY Antalya-Kumluca, SABU Mula-Dalaman, DALY Elmali, DALY Dalvan (Mula), KNIK Mula-Seydikie, KARP Karpathos, TURN Turunc, CANE Cameli-Denizli, CAEL Denizli, Cameli, DAT Data, DAT Data, YAZI Mula-Datja, KORT Korkut, YER Yerkesik, DNZT Denizli-Tavas, MULA Mugla, Merkez-MULA, PMLA Acipayam-Deniz, TAVA DENIZLI, Tavas, TAVA TAVA, BDRM Kayabasi, MLBS Milias, BODT Bodrum, BUCB Burdur, Bucak-DNIZ Denizli-Tavas, INCE Denizli-Bozkur, SDRD Burdur-Merkez, ESEN Aydin-Nazilli, NAZL Nazilli-Ayдын, AYBD Zeytinok-Aydi, GCAM G?zelcamli?, KIRA zmir-Kiraz, SEDI Konya, Seydisse, SEDI SEDI, KZIL AFYON, Kizilerin, AFYN Afyon-Dinar-K, MANT Manisa, YVAC Isparta, Yalva, YVAC YVAC, USAK Uak-Merkez, DOGA KONYA, Doganhis, DOGA DOGA, ZEYE Izmir, Uria-Ze, UCKU Afyonkarahisar, GDZ Gediz, BYAT Afyon-Bayat, DOMA Klauthya-Doman, MMAI Mount Meron Arr, BRTR Keskin Array B, BRTR Keskin Array B, MLR Muntele Rosu, ESDC Sonseca Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAO 1um,0.2s, baz=41, slow=13, SNR=12, URZ Urewera, SNZO South Karori, INZ Inchbonnie, ARMA Armadale, ARMA Canberra, CAN Canberra, PPT Papeete, CTAO Charters Tower, STKA Stephens Creek, STKA Stephens Creek, MGBR Mount Gambier, BBOO Busselton, ASAR Alice Springs, WBR Warramunga Arr, WRA Warramunga Arr, WBO Warramunga Arr, KNRA Kununurra, FITZ Fitzroy Crossi, BATI Baumata, GSPA South Pole Gki, GSPA South Pole Gki, SNAE Sanae, SNAE Sanae, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, FINES Finofevs Array B, HFS Hagfors, AKASG Malin Array B, BRTR Keskin Array B, TORD Tordar Brag.

IDC 03 03:00:51.3-1.3, 1.736S, 125.23E, h358km, 33km, mb2.7/1, mbmp3.7/5, Error ellipse: s-maj=73.6km s-min=16.2km az=61.0

DJA 03 03:00:55.4-0.7, 8.7S, 125.5E, h343km, 6km, M3.9/7, mb4.6/3, ML3.9/7

ISC 03 03:00:50.6-1.5, 7.3S, 125.4E, 0.1, h350km, n8, c152/13, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SOEI Soe, SOEI Soe, BATI Baumata, BATI Baumata, BASI Baing, Sumba, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array.

KRSC 03 03:06:32.9-0.8, 55.23N, 163.42E, h66km, 21km, MI3.9, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBRTR Krutoberegovo, KBY Krutoberegovo, KBI Bering, BZGR Bezymannyi-Gr, KMNR Kamnastaya, KIRR Kiritsev, KRSR Kiritsev, KLY Klyuchi, KPT Kopyto, KOZ Koznyevsk, SRDR Sredinyi, ESO Esso, SPN Sanyupskii, NLC Nalychchevo, KRX Arik, AVH Avacha, KOK Koryaka, GML Dalny, GML Dalny, RUS Russkaya, OSSR Ossora, MTRV Mutnovka, GRG Gorelyy, TILK Tilchiki.

NEIC 03 03:08:17.0-1.7, 36.24N, 0.07W, 32E, 0.09, h185km, 12km, mb4.5/8, Error ellipse: s-maj=11.4km s-min=9.8km az=56.0

NINC 03 03:08:22.3-2.9, 36.65N, 70.67E, h186km, 32km, mb2.9, mpv3.8, Error ellipse: s-maj=24.5km s-min=19.2km az=40.0

ISC 03 03:08:16.4-0.7, 36.21N, 0.06W, 32E, 0.06, h200km, n35, c217/143, 9C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBL Kabul, CHGR Chuyangaron, SIMJ Shimang, GAR Garm, SPN Sanyupskii, DRK Karamyk.

3d 3h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Batken, Srinagar, Karatay Array, etc.

IDC 03 107.26.3.12.0, 23.05S, 177.34E, h444km, 361km, mb3.4/3, mbmp4.2/4, Error ellipse: s-maj=619.1km s-min=107.1km az=92.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like MSFV, STKA, ASAR, WRA, etc.

GCMT 03 03:25:47.8.0.4, 47.89S, 0.02:165.26E:0.03, h19km, 1km, MW4.9/76, Moment Tensor Solution. s14,c17; s76,c100; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr-0.11; 12; Mss-0.20; 12; Mss0.30; 12; Mss0.31; 21; Mss2.55; 12; Mss0.46; 23; Best double couple: M2:65600/-1016 NP1:88.00000/-881.00000/-1.6.00000/- NP2: s357.00000/-684.00000/-1.171.00000/- Principal axes: T: 2.7630; P: 11.0000; Azm: 312.0000; N: 0.2319 -1.25. P: 179.0000; Azm: 142.0000; P: -2.5500; Plg2: 0000. P: 472.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 03 03:25:49.8.2.1, 47.95S, 0.08:165.6E:0.1, h10km, 1km, mb4.6/17 Error ellipse: s-maj=15.9km s-min=11.2km az=236.0

IDC 03 03:25:49.4.0.9, 47.87S, 164.85E, h0km, mb4.4/7, mbmp4.4/7, MS4.2/34, Error ellipse: s-maj=49.0km s-min=18.9km az=57.0

ISC 03 03:25:50.4.0.5, 47.90S, 0.06:165.40E:0.05, h13km, n129, s1949/103, mb4.6/17, MS4.2/32, 3D, Off west coast of South Island

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like PYZ, APZ, RRKS, ICCS, WHZ, SYZ, GODC, MLZ, EDOS, TUZ, MSZ, EAZ, WKZ, HHSZ, JCCZ, JAZ, ODZ, etc.

2019 JAN

Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like ODZ, LBZ, LMK, FBZ, RPZ, RPZ, RPZ, etc.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like PSI, PLCA, JOW, H0S2, H0S1, H0S3, JNU, CMAR, NJ2, KSRS, PZH, PZH, PZH, etc.

NEIC 03 03:32:13.5.0.8, 33.497N, 0.004:-116.800W:0.009, h14km, 3km, Error ellipse: s-maj=1.2km s-min=0.2km az=59.0

PAS 03 03:32:13.8.0.9, 33.500N, 0.004:-116.808W:0.007, h3km, 1km, ML3.1/259, ML3.1/36(NEIC), Error ellipse: s-maj=1.0km s-min=0.7km az=83.0, Southern California

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like CRY, BZNA, PLM, SNA, SNA, SNA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Goat Mountain, Chino, Dulzura, Otay Lakes Par, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAI Ambon, NLAJ Namlea, MSAI Masohi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like N2J Nanjing, N2J, Nakatsu, etc.

NEIC 03 04:00:25.4+0.6, 36.449N; 0:009-96.89W; 0.02, h5km, 2km, Error ellipse: s-maj=2.9km s-min=0.5km az=63.0

NEIC 03 04:00:25.4+0.5, 36.45N; 0:01-96.89W; 0.03, h7km, 2km, mb, Lg, 2.7, ML, 5.149, ML2, 9.22, Error ellipse: s-maj=3.5km s-min=1.2km az=60.0 Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OK051 E0350 and S346, OK051 Quay, BLOK Blackwell, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSH Kashi, KSH, MK31 Makanchi Arr, etc.

IDC 03 04:21:16.3+0.4, 3.80S; 127.63E, h0km, mb, 4.5/21, mbmp4.5/24, ML4, 3/2, MS3, 3/6, Error ellipse: s-maj=20.5km s-min=1.6km az=71.0

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UNLV, MTRB, MREP, MSW, O14K, N15K, O18K, M14K, N17K, L14K.

KRSC 03 05:25:23.6-0.9, 53.13N x 160.60E, h47km, 10km, M14.0, Near east coast of Kamchatka Peninsula

Main table for KRSC station data. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SPN, NLC, AVH, DALK, KRX, KOK, PET, INSR, RUS, KRMR, GNL, MTRV, GRL, APC, KDTR, KMNR, BZGR, KIR, KPT, ESO, KRSR, SRDR, KBTR, KBG.

IDC 03 05:33:33.6-0.7, 70.40N-144.48W, h0km, mb4.0/19, mbmp4.0/23, ML4.0/4, MS3.2/1, Error ellipse: s-maj=22.0km s-min=11.9km az=55.0

AEIC 03 05:33:33.1-1.1, 70.28N-144.54W, 0.1, h56km, 5km, ML3.7, ML3.7/6(NEIC), Error ellipse: s-maj=12.7km s-min=4.9km az=172.0

NEIC 03 05:33:38.5-0.8, 70.32N-144.54W, 0.1, h36km, 10km, Error ellipse: s-maj=8.7km s-min=5.5km az=197.0

ISC 03 05:33:34.5-1.1, 70.37N-144.43W, 0.03, h11km, gkm, h255, r122/276, mb4.0/19, Northern Alaska

Main table for ISC station data. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like C26K, D25K, D25K, D25K, D25K, C24K, D27M, D27M, D27M, D27M, D24K, D24K, C29K, D28M, D28M, E25K, E25K, E25K, E27K, E27K, E27K, E27K, E28M, E28M, TOLK, TOLK, D23K, D23K, F26K, F26K, E24K, E24K, F25K, F25K, BMAR, E23K, E23K, E29M, E29M, F24K, F24K, F24K, F28M, F28M, D22K, D22K, D22K, G26K.

Main table for ISC station data. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like G26K, E22K, E22K, A22K, A22K, B21K, B21K, G25K, G27K, G27K, COLD, COLD, C21K, C21K, G24K, G24K, E21K, E21K, A21K, A21K, F30M, F30M, G29M, G29M, G23K, G23K, H27K, H27K, G22K, G22K, B20K, B20K, INK, INK, INK, G30M, G30M, F21K, F21K, D20K, D20K, H24K, H24K, H29M, H29M, EPYK, EPYK, G31M, G31M, I26K, I26K, G21K, G21K, D19K, D19K, H22K, H22K, I28M, I28M, F20K, F20K, POKR, POKR, C19K, C19K, C19K, C19K, E19K, E19K, I23K, I23K, IMAR, IMAR, A19K, A19K, COLA, COLA, H21K, H21K, IL31, IL31, ILAR, ILAR, EGAK, EGAK, J25K, J25K, CCB, CCB, H31M, H31M, I30M, I30M, F19K, F19K, B18K, B18K, WRH, WRH, C18K, C18K, C18K, H20K, H20K, G19K, G19K, A36M, A36M, SCRK, SCRK, E18K, E18K.

Main table for ISC station data. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like J30M, J30M, K24K, K24K, DAWY, DAWY, H19K, H19K, F18K, F18K, DOT, DOT, BPWA, BPWA, C17K, C17K, MCK, MCK, G18K, G18K, RDOG, RDOG, C36M, C36M, E17K, E17K, D17K, D17K, BCAR, BCAR, L27K, L27K, L27K, L27K, H18K, H18K, H18K, H18K, M26K, M26K, M26K, M26K, PPLA, PPLA, PPLA, PPLA, BVCY, BVCY, BVCY, BVCY, M30M, M30M, M30M, M30M, J18K, J18K, YUK2, YUK2, YUK3, YUK3, H16K, H16K, J17K, J17K, J17K, J17K, I17K, I17K, I17K, I17K, G15K, G15K, G15K, G15K, M20K, M20K, L19K, L19K, N30M, N30M, K17K, K17K, K17K, K17K, F14K, F14K, F14K, F14K, ANM, ANM, ANM, ANM, O30N, O30N, M17K, M17K, K15K, K15K, WRGLY, WRGLY, M16K, M16K, N17K, N17K, Q32M, Q32M, DLBC, DLBC, YKA, YKA, YKA, YKA, RES, RES, RES, RES, SEY, SEY, ULM, ULM, ULM, ULM, PETK, PETK, SPITS, SPITS, SPITS, SPITS, PDAR, PDAR, NVAR, NVAR, ARCS, ARCS, ARCS, ARCS, TXAR, TXAR, FINES, FINES, HFS, HFS.

Table with columns: ZALV, ZALV, EKA, SONM, ARTI, BVAR, KURBB, BELG, MKAR, AKTO, AKASA. Includes station names, coordinates, and various parameters like SNR, P, PcP.

RSNC 03 05:43:17.1,0.0,7.7N:1.73W:1.46km,2km,M3.4,mB4.8, mb4.0,ML3.2,Mw(mB)4.1,Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BARC, BRUC, PAMC, RUSC, etc.

Table with columns: BRDY, RTBA, PLPT, KSCO. Includes station names, coordinates, and parameters like Pn, Iamb_Lg, Time Res.

IDC 03 06:39:58.1±1.1,34.22N:142.00E,h0km,mb3.4/6, mbtmp3.4/7,ML2.8/1,MS3.2/1,Error ellipse: s-maj=32.2km s-min=23.6km az=65.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BSO1, BSO2, BSO3, BSO4, etc.

JMA 03 05:39:47.1±0.2,41.9N:0.9:142.3E:0.9,h69km,2km, MV3.3/36,S OFF URAKAWA

IDC 03 05:39:40.4±1.5,42.13N:142.18E,h80km,11km,mb3.6/12, mbtmp3.8/15,Error ellipse: s-maj=26.3km s-min=10.4km az=109.0

ISC 03 05:39:48.3±0.8,41.98N:0.03:142.30E:0.04,h64km,6km, n39.±18/49,mb3.9/12,15D,Hokkaido region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JSHD, JNKB, JEM, JIAM, etc.

ISC 03 05:43:17.1,0.0,7.7N:1.73W:1.46km,2km,M3.4,mB4.8, mb4.0,ML3.2,Mw(mB)4.1,Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like RECR, NIZA, NIZA, NIZA, etc.

ISC 03 06:40:01.3±1.0,34.20N:142.00E:0.08,h21km,n21, 0.063/24,mb3.5/6,East coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BSO1, BSO2, BSO3, BSO4, etc.

NEIC 03 07:09:26.3±1.0,36.48N:0.01:98.21W:0.03,h79m,2km, Error ellipse: s-maj=3.7km s-min=1.5km az=95.0

NEIC 03 07:09:26.2±1.1,36.46N:0.008:98.21W:0.03,h5km,1km, ML2.0/38,ML2.5/18,Error ellipse: s-maj=3.6km s-min=2.5km az=93.0,Oklahoma

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like CROK, GCO2, KAN14, etc.

NOU 03 05:48:14.6,16.26S:168.38E,h10km,ML4.5/15, Vanuatu Islands,Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like VLAKA, VLAKA, DVP, etc.

NEIC 03 06:09:09.3±1.4,31.65N:0.008:104.29W:0.05, h5km,2km, Mb Lg2.6/24,ML2.7/20,Error ellipse: s-maj=7.7km s-min=2.9km az=262.0,Western Texas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PECS, PECS, PECS, GDL2, etc.

ISC 03 07:23:14.6±1.2,49.76N:81.59E,h0km,mbtmp2.7/3, ML2.1/3,Error ellipse: s-maj=15.9km s-min=9.5km az=48.0

ISC 03 07:23:13.5±1.2,49.59N:0.06:81.57E:0.07,h0km,n9, ±1945/12,3C-5D,Eastern Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KAN05, KAN05, KAN05, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ASAJ, MJAR, MJAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H1N2, H1N1, H1N3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H1S1, H1S2, ZALV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KURBB, BVAR, ARTI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like FINES, HFS, AKASG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like STKA, EKA, TXAR, etc.

IDC 03 05:42:21.8±1.4,5.66S:152.82E,h0km,mb3.5/6, mbtmp3.5/6,Error ellipse: s-maj=54.9km s-min=25.2km az=114.0

ISC 03 05:42:27.3±1.3,5.7S:0.2:152.8E:0.3,h37km,n7,±13/7, mb3.5/6,New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WRA, ASAR, SONM, etc.

IDC 03 06:09:09.3±1.4,31.65N:0.008:104.29W:0.05, h5km,2km, Mb Lg2.6/24,ML2.7/20,Error ellipse: s-maj=7.7km s-min=2.9km az=262.0,Western Texas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TX31, TXAR, SAND, etc.

NNC 03 07:23:12.1±0.9,49.73N:82.00E,h0km,mb3.3,mpv2.9, Error ellipse: s-maj=12.1km s-min=2.4km az=54.0, Suspected Mining explosion.

IDC 03 07:23:14.6±1.2,49.76N:81.59E,h0km,mbtmp2.7/3, ML2.1/3,Error ellipse: s-maj=15.9km s-min=9.5km az=48.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KURK, KURBB, KURBB, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for MK31, MKAR, MKAR, ZALV, ZALV, ZALV, 146RU, BVAR, BVAR, BVAR.

IDC 03 07:23:11.8±0.9, 49°51'N±28°50'W, h0km, mb3.5/10, mbmp3.5/12, ML4, 0/2, MS3, 2/8, Error ellipse: s-maj=32.0km s-min=18.6km az=11.0

ISC 03 07:23:14.2±0.9, 49°51'N±28°48'W, 0.1±1.7km, n24, ±0.84/14, mb3.6/10, MS3, 0/7, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for EKA, ESDC, ESDC, NOA, NOA, NOA, DAVOX, DAVOX, DAVOX, HFS, HFS, HFS, GERES, GERES, GERES, VRAC, VRAC, VRAC, MLR, MLR, MLR, TKL, TKL, TKL, TORD, TORD, TORD, YKA, YKA, YKA, PDAR, PDAR, PDAR, ILAR, ILAR, ILAR, BVAR, BVAR, BVAR, H10N2, H10N2, H10N2, H10N3, H10N3, H10N3, H10N1, H10N1, H10N1, TXAR, TXAR, TXAR, NVAR, NVAR, NVAR, KURBB, KURBB, KURBB, MKAR, MKAR, MKAR, SONM, SONM, SONM, WRA, WRA, WRA, ASAR, ASAR, ASAR.

IDC 03 07:25:15.9±1.0, 3°58'N±64°71'E, h0km, mb3.8/13, mbmp3.8/13, MS3, 4/19, Error ellipse: s-maj=32.5km s-min=20.4km az=58.0

NEIC 03 07:25:18.7±1.2, 3°7'N±64°98'E, 0.1±1.0km, 1km, mb4.3/13, Error ellipse: s-maj=20.3km s-min=6.7km az=204.0

ISC 03 07:25:17.8±0.6, 3°64'N±64°79'E, 0.07, h10km, n54, ±160/44, mb4.1/19, MS3, 3/18, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for KAAM, KAAM, KAAM, MNGI, MNGI, MNGI, KOD, KOD, KOD, GOA, GOA, GOA, GALK, GALK, GALK, MDRS, MDRS, MDRS, HYB, HYB, HYB, VJD, VJD, VJD, WSAR, WSAR, WSAR, KMBO, KMBO, KMBO, HRA, HRA, HRA, BRDH, BRDH, BRDH, MBAR, MBAR, MBAR, CMAR, CMAR, CMAR, BTK, BTK, BTK, EIL, EIL, EIL, AAK, AAK, AAK, AAK, AAK, AAK, BNM, BNM, BNM, KBZ, KBZ, KBZ, MK31, MK31, MK31, MKAR, MKAR, MKAR, ABKAR, ABKAR, ABKAR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for BR131, BR131, BR131, AKTO, AKTO, AKTO, LBTB, LBTB, LBTB, KURBB, KURBB, KURBB, BOS, BOS, BOS, BOS, BOS, BOS, TSUM, TSUM, TSUM, ZAAO, ZAAO, ZAAO, ZAAO, ZAAO, ZAAO, ZALV, ZALV, ZALV, ZALV, ZALV, ZALV, ARTI, ARTI, ARTI, KIEV, KIEV, KIEV, VRAC, VRAC, VRAC, HFS, HFS, HFS, ESDC, ESDC, ESDC, WRA, WRA, WRA, ASAR, ASAR, ASAR, YAK, YAK, YAK, TIXI, TIXI, TIXI, QSPA, QSPA, QSPA, VNSA, VNSA, VNSA, TEIG, TEIG, TEIG, TXAR, TXAR, TXAR.

JMA 03 07:29:30.7±0.1, 23°44'N±121°17'E, h26km, 3km, MV3, 1/14, TAIWAN REGION

TAP 03 07:29:32.2±0.4, 23°44'N±121°16'E, h26km, ML3.4, C ISC 03 07:29:32.0±1.1, 23°41'N±121°18'E, 0.02, h8km, 9km, n110, ±0.68/15, 3d, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for ECBN, ECBN, ECBN, HGSD, HGSD, HGSD, TEGC, TEGC, TEGC, EGPH, EGPH, EGPH, EGH, EGH, EGH, EHYH, EHYH, EHYH, SHUL, SHUL, SHUL, CHKH, CHKH, CHKH, EYUL, EYUL, EYUL, EHY, EHY, EHY, YULB, YULB, YULB, YULB, YULB, YULB, TWYI, TWYI, TWYI, TEYL, TEYL, TEYL, WARBT, WARBT, WARBT, CHKT, CHKT, CHKT, CHKT, CHKT, FULB, FULB, FULB, ESSL, ESSL, ESSL, HSWA, HSWA, HSWA, EHD, EHD, EHD, EDM, EDM, EDM, EDH, EDH, EDH, EDW, EDW, EDW, TDW, TDW, TDW, VVWD, VVWD, VVWD, LXIB, LXIB, LXIB, ETL, ETL, ETL, ELDTW, ELDTW, ELDTW, ELDTV, ELDTV, ELDTV, NACB, NACB, NACB, NACB, NACB, NACB, OWD, OWD, OWD, LUD, LUD, LUD, LONT, LONT, LONT, EOSA, EOSA, EOSA, ETL, ETL, ETL, WUSB, WUSB, WUSB, SSSL, SSSL, SSSL, WHF, WHF, WHF, TWGBT, TWGBT, TWGBT, TWG, TWG, TWG, TWG, TWG, TWG, WHYT, WHYT, WHYT, ALS, ALS, ALS, SMLT, SMLT, SMLT, EOSS, EOSS, EOSS, FOSS, FOSS, FOSS, STYH, STYH, STYH, STYH, STYH, STYH, TYC, TYC, TYC, ENA, ENA, ENA, ENA, ENA, ENA, TW, TW, TW, EWUT, EWUT, EWUT, EWUT, EWUT, EWUT, TOCB, TOCB, TOCB, WCS, WCS, WCS, CHNS, CHNS, CHNS, EOSE, EOSE, EOSE, WJS, WJS, WJS, NNSB, NNSB, NNSB, TPUB, TPUB, TPUB, NNS, NNS, NNS, WCKO, WCKO, WCKO, WTP, WTP, WTP.

JMA 03 07:29:30.7±0.1, 23°44'N±121°17'E, h26km, 3km, MV3, 1/14, TAIWAN REGION

TAP 03 07:29:32.2±0.4, 23°44'N±121°16'E, h26km, ML3.4, C ISC 03 07:29:32.0±1.1, 23°41'N±121°18'E, 0.02, h8km, 9km, n110, ±0.68/15, 3d, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for ECBN, ECBN, ECBN, HGSD, HGSD, HGSD, TEGC, TEGC, TEGC, EGPH, EGPH, EGPH, EGH, EGH, EGH, EHYH, EHYH, EHYH, SHUL, SHUL, SHUL, CHKH, CHKH, CHKH, EYUL, EYUL, EYUL, EHY, EHY, EHY, YULB, YULB, YULB, YULB, YULB, YULB, TWYI, TWYI, TWYI, TEYL, TEYL, TEYL, WARBT, WARBT, WARBT, CHKT, CHKT, CHKT, CHKT, CHKT, FULB, FULB, FULB, ESSL, ESSL, ESSL, HSWA, HSWA, HSWA, EHD, EHD, EHD, EDM, EDM, EDM, EDH, EDH, EDH, EDW, EDW, EDW, TDW, TDW, TDW, VVWD, VVWD, VVWD, LXIB, LXIB, LXIB, ETL, ETL, ETL, ELDTW, ELDTW, ELDTW, ELDTV, ELDTV, ELDTV, NACB, NACB, NACB, NACB, NACB, NACB, OWD, OWD, OWD, LUD, LUD, LUD, LONT, LONT, LONT, EOSA, EOSA, EOSA, ETL, ETL, ETL, WUSB, WUSB, WUSB, SSSL, SSSL, SSSL, WHF, WHF, WHF, TWGBT, TWGBT, TWGBT, TWG, TWG, TWG, TWG, TWG, TWG, WHYT, WHYT, WHYT, ALS, ALS, ALS, SMLT, SMLT, SMLT, EOSS, EOSS, EOSS, FOSS, FOSS, FOSS, STYH, STYH, STYH, STYH, STYH, STYH, TYC, TYC, TYC, ENA, ENA, ENA, ENA, ENA, ENA, TW, TW, TW, EWUT, EWUT, EWUT, EWUT, EWUT, EWUT, TOCB, TOCB, TOCB, WCS, WCS, WCS, CHNS, CHNS, CHNS, EOSE, EOSE, EOSE, WJS, WJS, WJS, NNSB, NNSB, NNSB, TPUB, TPUB, TPUB, NNS, NNS, NNS, WCKO, WCKO, WCKO, WTP, WTP, WTP.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for WTP, WTP, WTP, CHNA, CHNA, CHNA, CHNA, CHNA, CHNA, WNT, WNT, WNT, WNT, WNT, WNT, ESO, ESO, ESO, WHP, WHP, WHP, SGST, SGST, SGST, WGW, WGW, WGW, TWC, TWC, TWC, CHN1, CHN1, CHN1, CHN1, CHN1, CHN1, WDLT, WDLT, WDLT, SNST, SNST, SNST, TW3, TW3, TW3, ENTT, ENTT, ENTT, TCU, TCU, TCU, CHY, CHY, CHY, TSM, TSM, TSM, YNB, YNB, YNB, YNB, YNB, YNB, SCST, SCST, SCST, NSK, NSK, NSK, IUSK, IUSK, IUSK, WCHH, WCHH, WCHH, TWQ1, TWQ1, TWQ1, WTK, WTK, WTK, MASB, MASB, MASB, EAST, EAST, EAST, FUSB, FUSB, FUSB, TAWH, TAWH, TAWH, NFF, NFF, NFF, LAY, LAY, LAY, NWLT, NWLT, NWLT, NWLT, NWLT, NWLT, ICHU, ICHU, ICHU, LYUB, LYUB, LYUB, WDJ, WDJ, WDJ, NSTT, NSTT, NSTT, LIOB, LIOB, LIOB, JYNG, JYNG, JYNG, NMLH, NMLH, NMLH, SCZT, SCZT, SCZT, SLIU, SLIU, SLIU, SHUANG, SHUANG, SHUANG, TIFB, TIFB, TIFB, TSKC, TSKC, TSKC, SX11, SX11, SX11, YMO1, YMO1, YMO1, HATJ, HATJ, HATJ, IRIC, IRIC, IRIC, WDGJ, WDGJ, WDGJ, PHUB, PHUB, PHUB, JKRS, JKRS, JKRS, JKRS, JKRS, JKRS, ISH, ISH, ISH, JIJ, JIJ, JIJ, JISG, JISG, JISG, JISG, JISG, JISG, JWUC, JWUC, JWUC, JTJ, JTJ, JTJ, PTMZ, PTMZ, PTMZ.

IDC 03 07:30:43.0±1.0, 5°9'N±124°95'E, h0km, mb3.6/5, mbmp3.6/5, Error ellipse: s-maj=27.8km s-min=13.0km az=103.0

ISC 03 07:30:48.1±0.6, 6.0N±125.1E±0.3, h40km, n7, ±0.69/7, mb3.5/5, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for DAV, DAV, DAV, WRA, WRA, WRA, ASAR, ASAR, ASAR, STKA, STKA, STKA, MKAR, MKAR, MKAR, KURBB, KURBB, KURBB, ARCES, ARCES, ARCES, SJA, SJA, SJA, GUC, GUC, GUC, ISC 03 07:37:56.3±1.7, 32°48'N±105°69'32'W, 0.06, h129km, 15km, n24, ±1.56/43, 1C, Mendoza Province

SJA 03 07:37:55.8±0.7, 32°65'S±69°61'W, h126km±10km, ML3.2, MV3.5

GUC 03 07:37:56.9±0.6, 32°47'S±70°04'W, h126km±3km, ML2.9

ISC 03 07:37:56.3±1.7, 32°48'N±105°69'32'W, 0.06, h129km, 15km, n24, ±1.56/43, 1C, Mendoza Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for DAV, DAV, DAV, WRA, WRA, WRA, ASAR, ASAR, ASAR, STKA, STKA, STKA, MKAR, MKAR, MKAR, KURBB, KURBB, KURBB, ARCES, ARCES, ARCES, SJA, SJA, SJA, GUC, GUC, GUC, ISC 03 07:37:56.3±1.7, 32°48'N±105°69'32'W, 0.06, h129km, 15km, n24, ±1.56/43, 1C, Mendoza Province

ISC 03 07:37:56.3±1.7, 32°48'N±105°69'32'W, 0.06, h129km, 15km, n24, ±1.56/43, 1C, Mendoza Province

ISC 03 07:37:56.3±1.7, 32°48'N±105°69'32'W, 0.06, h129km, 15km, n24, ±1.56/43, 1C, Mendoza Province

ISC 03 07:37:56.3±1.7, 32°48'N±105°69'32'W, 0.06, h129km, 15km, n24, ±1.56/43, 1C, Mendoza Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes entries for VA03, VA03, VA03, VA03, VA03, VA03, FCH, FCH, FCH, MT04, MT04, MT04, PEL, PEL, PEL, MT10, MT10, MT10, ROCH, ROCH, ROCH, ROCH, ROCH, ROCH, MT03, MT03, MT03, VA06, VA06, VA06, MT15, MT15, MT15, MT02, MT02, MT02, MT12, MT12, MT12, MT12, MT12, MT12, VA05, VA05, VA05, VA05, VA05, VA05, ACCO, ACCO, ACCO, AVFE, AVFE, AVFE.

3d 8h

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ACHE, AGUA, APLL, etc.

NEIC 03 07:42:27.7.2.2.9:30S:0.04:109.59E:0.04, h10km, 1km, mb4.5/25, Error ellipse: s-maj=7.5km s-min=6.2km

DJA 03 07:42:29.0.0.2.9:5.3:11.0E:*, h10km, M4.6/25, mb4.9/10, ML4.4/25, Mw(mb)4.6/5

ISC 03 07:42:36.5.2.0.9:19S:109.76E, h67km, 18km, mb3.9/20, mbtmp4.2/22, MS3.4/3, Error ellipse: s-maj=25.0km s-min=10.4km az=53.0

ISC 03 07:42:31.5.0.5.9:40S:0.05:109.62E:0.06, h35km, n100, r1570/96, mb4.4/35, South of Jawa

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like YOGI, UGM, PCJI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TWSI, PLAI, KAPI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ASAR, AS31, CMAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like LHZ, KRSR, HHC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KBL, BOOM, CHGR, etc.

2019 JAN

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MK31, MKAR, KURB, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BVAR, ABKAR, VNSA, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ARTI, SEY, KBZ, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ASAF, BOSA, TIXI, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ATKA, ATKA, CLCO, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SKI, HUMP, HUMP, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like IGPR, IGPR, ANWB, etc.

AGPR Aguadilla, PR 3.04 278 Pn Pn 08 00 18.9 +0.5

IDC 03 08:01:00.7.0.1.7.12:97S:45:45E, h0km, mb3.8/9, mbtmp3.9/10, ML4.6/22, MS3.4/4, Error ellipse: s-maj=23.7km s-min=21.2km az=98.0

NEIC 03 08:01:01.4.2.0.12:86S:08:45E:0.1, h10km, 1km, mb4.5/9, Error ellipse: s-maj=18.9km s-min=13.0km az=88.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SBV, SBO, OPO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like FIRM, ABPO, AVY, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DGRM, DGRM, ABM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SUR, UOSS, TORO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PSI, KKAR, TARG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ASAR, ASAR, ASAR, etc.

ASRS 03 08:05:02.0.0.1.7.53:58N:87:06E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include GKS1, GLG1, IDHR, etc.

NNC 03 08:27:42.6:1.2, 43.14N:78.46E, h5km, 6km, mpv2.8, Error ellipse: s-maj=3.4km s-min=2.4km az=100.0

SOME 03 08:27:42.8, 43.15N:78.38E, h10km, ISC 03 08:27:42.6, 43.13N:78.40E:0.09, h8km, 9km, n7, c=0507/14, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ZHN, ZHN, ZHN, etc.

SJA 03 08:31:15.5:0.8, 22.91S:68.75W, h119km, 7km, ML3.8, MW3.7

GUC 03 08:31:17.9:0.6, 22.86S:68.72W, h108km, 3km, ML3.3, ISC 03 08:31:17.9:1.7, 22.81S:68.74W:0.07, h106km, 11km, n16, c=0518/25, Northern Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include AF01, PB15, PB15, etc.

NOU 03 08:43:04.1, 38.07S:178.30E, h49km, MLV3.6/13, Off E. Coast of N. Island, N.Z.

WEL 03 08:43:05.0:0.7, 38.5:17.8E, h47km, 5km, M3.3/62, ML3.5/13, MLV3.6/62, Error ellipse: s-maj=5.6km s-min=4.4km az=102.2

ISC 03 08:43:02.8, 1.8, 38.06S:0.04:178.37E:0.07, h72km, 9km, n17, c=0504/105, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include PUK, WMGZ, PKGZ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include TARZ, RRRR, MKRTH, etc.

ISC 03 08:49:01.6:1.0, 36.98N:141.30E, h0km, mb3.4/6, mbmp3.4/8, ML2.9/2, MS2.6/2, Error ellipse: s-maj=29.5km s-min=20.8km az=156.0

JMA 03 08:49:03.4:0.1, 36.98N:141.30E:0.9, h43km, 1km, Mv3.6/35, E OFF IBARAKI PREF

JMA FV1 J1 at E OFF IBARAKI PREF

NIED 03 08:49:03.4, 36.85N:141.33E, h43km, MW3.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; M1: -2.57; M2: 0.37; M3: 2.21; M4: -0.80; M5: 1.16; M6: -1.41;

Fault plane solution: M3, 12000x10^14 NP1: 264.0, 00000, 229.00000, -94.00000. NP2: 28.00000, 56.0, 00000, -88.00000

ISC 03 08:49:01.3:2.3, 36.93N:0.06:141.38E:0.06, h2km, 14km, n26, c=1800/24, mb3.4/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ONAJ, JFW, JFW, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include TXAR, LPAZ, H03N2, etc.

ISC 03 08:50:03.9:1.4, 31.46N:50.09E, h0km, mb3.9/11, mbmp3.8/15, ML3.4/4, MS3.9/2, Error ellipse: s-maj=28.6km s-min=19.5km az=178.0

TEH 03 08:50:05.8, 31.53N:50.20E, h8km, 35km, ISC 03 08:50:07.3:0.6, 31.38N:50.05:16E:0.04, h26km, n46, c=1548/44, mb4.0/11, Northern and central Iran

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ABEH, ZNGN, IBRJ, etc.

ISC 03 08:51:17.9:1.1, 31.44N:50.04E, h0km, mb3.9/15, mbmp3.9/18, ML3.9/3, Error ellipse: s-maj=24.1km s-min=17.5km az=13.0

TEH 03 08:51:21.3, 31.51N:50.21E, h8km, 46km, ISC 03 08:51:21.0:4.0, 31.40N:0.05:16E:0.06, h26km, n34, c=1757/37, mb4.0/15, Northern and central Iran

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include ABEH, ZNGN, IBRJ, etc.

3d 9h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HFS Hagfors, NOA NORSTAR Array B, ARCES ARCES Array B, etc.

IDC 03 09:10:25.6.0.5, 32.95N:130.47E, h0km, mb4.3/30, mbmp4.3/33, ML3.9/3, MS4.1/64, Error ellipse: s-maj=11.4km s-min=6.0km az=161.0

JMA 03 09:10:27.6.0.0, 33.03N:130.55E, h10km, MD5.1/20, MW4.9/20, NORTHERN ARIAKEAI REG, JMA Felt VI, J1 at NORTHERN ARIAKEAI REG

NIED 03 09:10:27.6.33.03N:130.55E, h10km, MW4.9, Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mn-0.75; Mw2.19; Mxx-1.45; Mxx.0.66; Mxx.0.03; Mxx.1.07;

NEIC 03 09:10:28.4.1.2, 33.05N:130.47E, h10km, 1km, mb4.7/54, Error ellipse: s-maj=11.8km s-min=5.3km az=143.0

GCMT 03 09:10:30.4.0.2, 33.03N:130.52E, h18km, 1km, MW4.9/110, Moment Tensor Solution. s31, c42; s110, c174; Duration: 0 Moment tensor: Scale 10^16Nm;

ISC 03 09:10:27.8.0.6, 32.88N:130.57E, h14km, 3km, m476, c1975/393, mb4.6/87, MS4.2/82, 17C-5D, Kyushu

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists various seismic stations like TAMANA, NAKATSUE, etc.

2019 JAN

Main event list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists seismic events like JMN Monobe, JHS Saijyo, MRT2 Murotomisaki, etc.

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Main event list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists seismic events like BNX comp=Z,2um,11.5s, ERM comp=Z,3um,8.9s, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like GYA, LZH, CD2, GUMU, SONM, KMI, GTA, PZH, DAV, ZAK, PETK, MOY, TNCH, YAK, GOMU, MA2, CHTO, CMAR, SEY, SHL, WMQ.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like WMQ, BRDH, JAY, SHEM, ZALV, TIXI, MK31, MKAR, MAKZ, BILL, ARXS, NRIK, KSH, AAK, BTL, PMG, LEM, BRZ, GAMB, BVAR, BRVK, KKR, BT, IUG, GAR, CHGR, F14K, SIMJ, ANM, K13K, F15K, M13K, C16K, G15K, FITZ, M14K, D17K, H16K, G16K, C17K, RDG, O14K, E17K, F17K, I17K, B18K.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like G17K, C18K, E18K, H17K, A19K, L16K, F18K, SVE, J17K, M16K, C19K, WRA, G18K, PALK, H18K, K17K, L17K, O16K, D19K, F19K, E19K, G19K, N17K, B20K, O17K, L18K, H19K, D20K, ARTI, A21K, ABKAR, F20K, J19K, M18K, Q17K, H20K, A22K, C21K, B21K, B21K, I20K, E21K, E21K, J20K, K20K, IMAR, F21K, G21K, G21K, AKTO, AKTO, O19K, L20K, D22K, H21K, CHUM, I21K, G22K, CAST, H22K, C23K, C23K, D23K, D23K, COLD, G23K, TOLK, E23K, E23K, HOM, ASAR, C24K, D24K, D24K, E24K.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KDak Kodiak Island, QSPA South Pt 180, ILAR Eielson Array, etc.

NOU 03 09:37:51.9, 18:38S:168:51E, h30km, MLv4.1/13, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DVP Devils Point, VLAKA Lakatoro, etc.

IDC 03 09:40:49.3, 3.9, 6:52S, 128:05E, h347km, a40km, mb2.8/1, mbmp3.8/5, Error ellipse: s-maj=52.2km s-min=15.7km az=66.0

ISC 03 09:40:44.0, 1.3, 6:15S:101:128:17E:0.09, h350km, n12, r180/15, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FAKI Fak Fak, SOEI Soe, BATI Baunata, etc.

NEIC 03 09:48:52.4, 1.9, 17:9S:0:1:177:9W:0:1, h605km, 7km, mb4.3/36, Error ellipse: s-maj=20.5km s-min=14.6km az=168.0

IDC 03 09:48:53.9, 1.0, 17:97S:177:99W, h634km, 10km, mb3.4/13, mbmp4.4/14, Error ellipse: s-maj=20.4km s-min=11.1km az=153.0

ISC 03 09:48:51.2, 1.9, 15:17S:177:88W:0.08, h600km, n91, r1541/90, mb4.2/29, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FUTU Fugatoga, MSVF Nonsavu, etc.

NEIC 03 09:51:56.8, 999.0, 53:10N:2:46E, h0km, Error ellipse: s-maj=645.2km s-min=170.5km az=108.0, North Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like I26DE FREYUNG INFRAS, I43RU DUBNA INFRASONO, I31KZ AKTUBINSK INF, etc.

KMRM Mail Ridge 76.74 40 P Iamb P 09 59 42.9 +0.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NVAR North Rim, PINE Pine Mountain, etc.

IDC 03 09:51:56.8, 999.0, 53:10N:2:46E, h0km, Error ellipse: s-maj=645.2km s-min=170.5km az=108.0, North Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like I1L3 Eielson Array, I1L4 Eielson Array, etc.

HEL 03 10:01:15.1, 0.4, 67:85N:20:38E, h0km, ML1.5, Explosion, Sweden

HEL 03 10:01:22.2, 0.1, 67:71N:26:93E, h0km, ML1.5, Suspected explosion, Finland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LANU Lannavaara, KLF Kolari, etc.

CMAR Chiang Mai Arr 36.12 64 LR LR 10 21 53.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, ZALV Zalesovo Beam, etc.

HEL 03 10:01:15.1, 0.4, 67:85N:20:38E, h0km, ML1.5, Explosion, Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LANU Lannavaara, KLF Kolari, etc.

HEL 03 10:01:22.2, 0.1, 67:71N:26:93E, h0km, ML1.5, Suspected explosion, Finland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAJF Raja-Jooseppi, VRF Vario, etc.

SOME 03 10:04:22.2, 41:85N:78:20E, NNC 03 10:04:23.4, 2.2, 41:80N:78:25E, h0km, mb3.6, mpv3.1, Error ellipse: s-maj=14.9km s-min=12.6km az=3.0

ISC 03 10:04:22.1, 5.9, 41:81N:0:3:78:3E:0.2, h0km, n5, r0846/6, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TNSS Tian-Shan, CHKK Chushkaly, etc.

SOME 03 10:08:33.9, 44:65N:82:10E, h20km, NNC 03 10:08:35.1, 3.4, 47:70N:81:99E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=15.5km s-min=3.8km az=123.0, Suspected Mining explosion

ISC 03 10:08:31.8, 1.8, 44:63N:80:72E:0.1, h0km, n15, r0549/23, 2C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TNSS Tian-Shan, CHKK Chushkaly, etc.

3d 10h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MK31, MAKZ, KNOS, PDGK, SHLS, BLB, UZB, etc.

IDC 03 10:10:34.8,0.9,9.54S:117.74E,h0km,mb3.9/10, mbmp4.0/14,ML4.1/4,MS2.9/1,Error ellipse: s-maj=34.2km s-min=15.4km az=57.0

DJA 03 10:10:39.2,0.2,10.5S:211.8E,h10km,M4.5/24, MW2.1/2,mb4.6/12,MLV4.4/24,MW(MB)4.5/2

ISC 03 10:10:36.9,0.6,9.63S:0.05:118.05E:0.06,h10km,n39, z=261/43,mb4.0/9,Sumbawa region

Main table of station data for the 3d 10h period, including stations like PLAI, WBSI, TWSV, BANI, DNP, etc.

2019 JAN

Table of station data for 2019 JAN, including stations like KAN01, KAN09, KAN12, KAN08, etc.

FUNV 03 10:36:56.2,10.12N:68.12W,h23km,MW2.5,Near coast of Venezuela

Table of station data for FUNV 03, including stations like MAPV, BENV, TACP, etc.

SNET 03 10:39:56.4,0.5,14.17N:90.03W,h226km,7km,ML3.1

GCG 03 10:40:02.2,1.5,14.08N:89.87W,h181km,20km,MD4.2

CATAC 03 10:40:08.9,3.4,14.08N:91.00W:1.8,h125km,30km, M2.79,MLV2.79,Error ellipse: s-maj=40.7km

ISC 03 10:40:07.9,1.8,14.11N:0.2:89.8W:0.1,h150km,n24, z=225/25,Guatemala

Table of station data for ISC 03, including stations like SLOZ, NUBE, RTR, etc.

KRSC 03 10:42:31.5,2.2,50.15N:157.02E,h50km,24km,Mi3.9, Kuril Islands

Table of station data for KRSC 03, including stations like SKR, SARH, SARH, etc.

WEL 03 10:56:59.0,3.0,40.5S:217.5E,h12km,M3.7/15, ML4.1/16,MLV3.7/15,Error ellipse: s-maj=2.9km s-min=2.3km az=74.5

NOU 03 10:57:00.8,40.13S:174.89E,h50km,MLV4.0/16,Cook Strait,New Zealand

ISC 03 10:57:00.4,0.9,40.13S:0.02:174.87E:0.02,h33km,96km, n117,00975/137,Cook Strait

Main table of station data for the 2019 JAN period, including stations like WCD5, OHWZ, WAZ, etc.

DJA 03 10:58:53.9,0.3,8.5S:210.7E,h10km,M4.0/17,mb4.5/5, MLV3.7/17,Jawa

Table of station data for DJA 03, including stations like CNJI, SKJI, DBJI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ENA, TWD, ESAD, NACB, TWC, etc.

KRSC 03 12:05:28.1s 1.6, 5.4, 44N, 164.30E, h41km, 26km, M4.0
IDC 03 12:05:28.4, 0.8, 5.4, 61N, 164.18E, h0km, mb3.8/14,
mbtm3.8/15, ML2.2/1, MS2.9/5, Error ellipse:
s-maj=24.6km s-min=15.5km az=11.0

ISC 03 12:05:29.8, 3.7, 5.4, 51N, 105.164, 34E, 0.06, h14km, 24km,
n47, r166/56, mb3.9/15, Komondorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like BKI, KBT, KBR, KBG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ILAR, H1N2, H1N3, H1N1, etc.

IDC 03 12:24:48.1, 6.8, 6.0, 8S, 149.66E, h61km, 5.4km, mb3.1/3,
mbtm3.4/4, ML2.3/1, MS3.5/1, Error ellipse:
s-maj=90.7km s-min=40.6km az=115.0, New Britain
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PMG, WRA, DZM, ASAR, etc.

IDC 03 12:25:46.2, 2.4, 3.7, 28N, 142.25E, h0km, mb3.3/3,
mbtm3.1/4, ML1.1/1, Error ellipse: s-maj=46.9km
s-min=36.9km az=53.0
JMA 03 12:25:1.2, 0.2, 3.7, 3N, 0.5, 14.2E, h38km, 3km,
MV3.1/38, E OFF FUKUSHIMA PREF

ISC 03 12:25:48.6, 2.3, 3.7, 32N, 0.05, 141.97E, 0.08, h10km, 12km,
n21, r1927/23, mb3.2/3, Near east coast of eastern
Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JFK, JMT, JON, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like H1N2, H1N3, H1N1, etc.

MOS 03 12:47:29.9, 1.2, 5.9, 75S, 26.23W, h34km, mb5.5/27, Error
ellipse: s-maj=20.6km s-min=9.4km az=106.4
NEIC 03 12:47:32.0, 1.8, 5.9, 75S, 0.09, 26.2W, 0.2, h42km, 4km,
mb5.4/99, Error ellipse: s-maj=14.8km s-min=11.3km
az=49.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like H1N2, H1N3, H1N1, etc.

mb5.8, mb5.4, Mw(mb)5.4, Hypocentre not reviewed by the
ISC
ISC 03 12:47:32.6, 0.6, 5.9, 81S, 0.06, 26.31W, 0.05, h51km, 5km,
h51km, pp-P, 5.67, r1904/541, mb5.4/68, MS4.6/38, 18C-4D,
South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like HOPE, VNA3, VNA2, etc.

3d 12h

Table with columns for station code, name, coordinates, elevation, and other data. Includes stations like Osenovka, PanZhihua, Kirov, etc.

2019 JAN

Table with columns for station code, name, coordinates, elevation, and other data. Includes stations like Dawson, Edge Creek, Whitestone, etc.

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Table with columns for station code, name, coordinates, elevation, and other data. Includes stations like Slope Mountain, Cape Douglas, Purkeypile, etc.

Table with columns: IZ, Station Name, Az, El, P, PKPab, Time, Res. Includes stations like E18K Tukpahlearik C, L14K Kuka Creek, A19K Wainwright, etc.

IDC 03 12:50:43.5:999.0,52:37N,4:08E,h0km, Error ellipse: s-maj=443.1km s-min=138.8km az=107.0, The Netherlands

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like I26DE FREYUNG INFRAS, I43RU DUBNA INFRASOM, etc.

MDD 03 12:57:47.4:1.4,35:03N,3:61W,h15km,10km, m_Lg2.4/6, Error ellipse: s-maj=10.8km s-min=8.6km az=171.0, SFS 03 12:57:47.8,35:05N,3:59W,h1km,ML2.8/4,ML2.7/4,ML2.7/4

CNRM 03 12:57:48.3,35:14N,3:52W,h18km,ML1.9, ISC 03 12:57:47.3:0.8,35:08N,0:03:35W,0:03,h14km,n23,0:88/31, Strait of Gibraltar

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like PALE Palemias, PALE Palemias, GOG Mont Gurugu, etc.

IDC 03 13:01:16.0:1.6,22:32S,169:93E,h0km,mB4.1/13, mbmp4.1/14,ML4.4/1,MS3.0/3, Error ellipse: s-maj=52.7km s-min=19.8km az=150.0

NEIC 03 13:01:18.7:2.2,22:44S,0:08:169:8E,0:1,h10km,2km, mB4.0/15, Error ellipse: s-maj=20.5km s-min=10.0km az=81.0

NOU 03 13:01:18.6,22:26S,169:75E,h0km,MLV4.3/20, Southeast of Loyalty Islands

ISC 03 13:01:20.0:0.6,22:26S,0:07:169:79E,0:07,h21km,n52,0:15/52,mb4.2/20,Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

Main table with columns: IZ, Station Name, Az, El, P, PKPab, Time, Res. Includes stations like VLAKA Lakatoro, MSVF Nonsavu, OUZ Emdhuda, etc.

Main table with columns: IZ, Station Name, Az, El, P, PKPab, Time, Res. Includes stations like RCO1 Rabbit Creek A, RCO1 Rabbit Creek A, RND Reindeer, etc.

GII 03 13:06:34.7:0.0,33:39N,0:00:23:35:60E,0:00:1,h3km, Mws2.2/4, confirmed

GRAL 03 13:06:36.0:0.3,33:37N,35:62E,h0km,13km,MD2.8, ISC 03 13:06:35.2:0.9,33:38N,0:02:35:62E,0:04,h12km,7km, n25,0:58/30,Jordan-Syria region

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res. Includes stations like SHBL Chebaa, NATI Neve Ativ.

3d 15h

Table with columns: CRS, Station Name, Azimuth, Phase, Time, Residual. Includes stations like Willow, Fire Island, Susitna One, etc.

NEIC 03 15:01:40.6; 1.1, 61.48N, 0.03:149.98W, 0.05, h44km, 4km, Error ellipse: s-maj=4.0km s-min=3.3km az=187.0

AEIC 03 15:01:41.1; 1.0, 61.47N, 0.03:149.97W, 0.05, h40km, 4km, ML2.5, ML2.7/12(NEIC), Error ellipse: s-maj=3.7km s-min=3.3km az=176.0, Southern Alaska

Main station list table with columns: Code, Station Name, Azimuth, Phase, Time, Residual. Lists numerous stations including Willow, Fire Island, Susitna One, etc.

2019 JAN

Table with columns: Station Name, Azimuth, Phase, Time, Residual. Lists stations like Bonanza Creek, White Mountain, Port Alsworth, etc.

IDC 03 15:22:55.4; 1.5, 61.33N, 0.02:149.92W, 0.05, h44km, 4km, mbtp3.8/17, ML3.4/5, MS3.3/1, Error ellipse: s-maj=17.6km s-min=9.3km az=107.0

AEIC 03 15:22:57.0; 1.2, 61.31N, 0.02:149.92W, 0.05, h44km, 4km, ML3.6, ML3.8/198(NEIC), Error ellipse: s-maj=3.7km s-min=2.8km az=101.0

NEIC 03 15:22:56.4; 1.5, 61.35N, 0.02:149.89W, 0.05, h43km, 3km, Error ellipse: s-maj=3.6km s-min=3.3km az=125.0

ISC 03 15:22:55.0; 0.7, 61.33N, 0.03:149.97W, 0.03, h49km, 6km, h403, r1801/405, mb3.8/12, Southern Alaska

Main station list table with columns: Code, Station Name, Azimuth, Phase, Time, Residual. Lists stations like Bonanza Creek, White Mountain, Port Alsworth, etc.

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Main station list table with columns: Station Name, Azimuth, Phase, Time, Residual. Lists stations like Palmer, Glory Hole Cre, Skiant Lake, etc.

CAST	Castle Rocks	2.32 336	Pn	15 23 31.9 +0.8
CAST	Castle Rocks	2.32 336	P	15 23 31.9 +0.8
P19K	Oil Pt	2.33 225	Pn	15 23 32.7 +1.3
P19K	comp=N,833nm,0.7s		IAML	15 24 13.7
P19K	comp=N,833nm,0.8s		IAML	15 24 21.1
P19K	Oil Pt	2.33 225	P	15 23 32.7 +1.3
O19K	Port Alsworth	2.42 244	IAML	15 23 33.0 +0.4
O19K	comp=E,775nm,0.5s		Pn	15 24 08.6
O19K	Port Alsworth	2.42 244	Pn	15 23 32.9 +0.4
MCK	McKinley	2.46 11	Pn	15 23 34.8 +1.6
MCK	McKinley	2.46 11	P	15 23 34.7 +1.6
L19K	White Mountain	2.48 292	IAML	15 23 34.4 +1.1
L19K	comp=N,284nm,0.8s		IAML	15 24 21.6
L19K	White Mountain	2.48 292	Pn	15 23 34.5 +1.1
L19K	HAARP	2.52 63	Pn	15 23 35.5 +1.5
HARP	HAARP	2.52 63	P	15 23 35.5 +1.5
AU22	Augustine Moun	2.59 222	Pn	15 23 36.3 +1.5
N25K	Chitina, Valde	2.59 82	Pn	15 23 35.4 +0.4
N25K	comp=E,250nm,0.3s		IAML	15 24 16.4
N25K	comp=N,413nm,0.5s		IAML	15 24 17.6
N25K	Chitina, Valde	2.59 82	P	15 23 35.4 +0.4
Q23K	Middleton Is	2.62 135	Pn	15 23 36.2 +0.9
Q23K	comp=N,326nm,0.9s		IAML	15 24 25.3
Q23K	comp=E,323nm,0.8s		IAML	15 24 26.2
BMRM	Bremner River	2.62 96	Pn	15 23 35.4 -0.1
BMRM	Bremner River	2.62 96	P	15 23 35.4 -0.1
GOAT	Goat Mountain	2.67 104	Pn	15 23 35.8 -0.1
PAX	Paxson	2.68 50	Pn	15 23 38.4 +2.2
PAX	Paxson	2.68 50	P	15 23 38.4 +2.2
RAGM	Ragged Moutai	2.76 108	Pn	15 23 36.9 -0.2
WACK	Wrangell Chich	2.77 74	Pn	15 23 39.6 +2.0
CHUM	Lake Minchumin	2.78 338	Pn	15 23 39.1 +1.6
CHUM	Lake Minchumin	2.78 338	P	15 23 39.1 +1.6
K20K	Telida	2.79 319	Pn	15 23 38.6 +0.9
K20K	Telida	2.79 319	P	15 23 38.6 +0.9
BPAW	Bear Paw Mtn.	2.82 351	Pn	15 23 38.5 +0.5
BPAW	Bear Paw Mtn.	2.82 351	P	15 23 38.5 +0.5
M18K	Stony River	2.82 276	Pn	15 23 39.0 +1.0
M18K	Stony River	2.82 276	P	15 23 39.0 +1.0
BWN	Browne	2.86 4	Pn	15 23 39.9 +1.3
BWN	Browne	2.86 4	IAML	15 24 30.3
N18K	Kilae Creek	2.96 260	IAML	15 23 40.2 +0.2
N18K	comp=N,176nm,0.9s		IAML	15 24 30.4
N18K	Kilae Creek	2.96 260	Pn	15 23 40.5 +0.6
GLB	Gilahina Butte	2.96 85	Pn	15 23 40.5 +0.4
GLB	comp=E,183nm,0.5s		IAML	15 24 31.4
GLB	comp=N,269nm,0.6s		IAML	15 24 36.6
HMT	Hamilton	2.97 107	Pn	15 23 39.4 -0.7
O18K	Koktuh Hills	2.98 242	Pn	15 23 40.3 0.0
O18K	comp=N,201nm,0.7s		IAML	15 24 30.9
O18K	Koktuh Hills	2.98 242	P	15 23 40.5 +0.2
SYK	Shuyak Island	2.99 205	Pn	15 23 40.8 +0.5
Q20K	Shuyak Island	2.99 205	P	15 23 41.3 +0.9
Q19K	Cape Douglas,	3.03 219	Pn	15 23 41.8 +0.8
Q19K	Cape Douglas,	3.03 219	P	15 23 41.8 +0.8
KAIM	Kayak Island	3.08 115	Pn	15 23 40.1 -1.4
KAIM	comp=E,218nm,0.8s		IAML	15 24 39.6
KAIM	comp=N,247nm,1.2s		IAML	15 24 41.5
VRDI	Verde Repeater	3.15 89	Pn	15 23 42.7 0.0
VRDI	comp=N,184nm,1.2s		IAML	15 24 37.3
VRDI	comp=N,184nm,1.2s		IAML	15 24 39.6
BERG	Berg Lake	3.21 104	Pn	15 23 42.6 -0.8
P18K	Big Mountain,	3.26 236	Pn	15 23 44.1 0.0
P18K	comp=N,145nm,0.8s		IAML	15 24 38.4
P18K	Big Mountain,	3.26 236	P	15 23 44.5 +0.4
WRH	Wood River Hill	3.27 14	Pn	15 23 45.2 +1.0
NEA2	Nenana	3.30 7	Pn	15 23 45.5 +0.5
NEA2	Nenana	3.30 7	P	15 23 46.8 +2.2
L18K	Granite Mounta	3.32 289	IAML	15 23 45.5 +0.7
L18K	comp=N,156nm,0.7s		IAML	15 24 46.0
L18K	Granite Mounta	3.32 289	P	15 23 45.8 +1.0
MENT	Mentasta	3.35 58	Pn	15 23 46.4 +1.1
MENT	comp=E,364nm,0.6s		IAML	15 24 45.5
HDA	Harding Lake	3.38 23	Pn	15 23 47.5 +1.7
HDA	comp=N,221nm,0.8s		IAML	15 24 45.7
HDA	comp=N,221nm,0.8s		IAML	15 24 45.7
RIDG	Independent Ri	3.39 42	Pn	15 23 48.0 +2.1
RIDG	comp=N,260nm,0.8s		IAML	15 24 39.9
RIDG	Independent Ri	3.39 42	P	15 23 47.1 +1.2
J20K	Nowinta River	3.44 328	Pn	15 23 47.5 +1.0
J20K	comp=N,220nm,0.6s		IAML	15 24 27.6
J20K	comp=N,220nm,0.6s		IAML	15 24 28.6
J20K	Nowinta River	3.44 328	P	15 23 47.7 +1.2
J20K	comp=N,212nm,0.5s		IAML	15 24 47.7 +1.2
J20K	Nowinta River	3.44 328	Pn	15 23 47.7 +1.2
CCB	Clear Creek Bu	3.47 16	Pn	15 23 47.8 +0.9
M26K	Nabesna, AK	3.47 69	Pn	15 23 47.9 +0.8
M26K	comp=N,171nm,0.7s		IAML	15 24 50.7
L26K	Log Cabin Vill	3.54 58	Pn	15 23 49.3 +1.4
L26K	comp=E,195nm,0.5s		IAML	15 24 51.4
L26K	comp=N,239nm,0.5s		IAML	15 24 53.3
DOT	Dot Lake	3.59 47	Pn	15 23 50.1 +1.4
M17K	Holitna River	3.60 274	IAML	15 23 49.5 +0.9
M17K	comp=N,284nm,0.8s		IAML	15 24 50.9
M17K	Holitna River	3.60 274	P	15 23 49.6 +0.9
N17K	Nushagak Hills	3.62 260	IAML	15 23 49.5 +0.6
N17K	comp=N,110nm,0.9s		IAML	15 24 55.6
N17K	Nushagak Hills	3.62 260	P	15 23 49.5 +0.6
KAHG	Katmai Hook Gi	3.66 221	Pn	15 23 50.2 +0.5
COLA	College	3.68 14	Pn	15 23 50.3 +0.5
COLA	College	3.68 14	P	15 23 52.0 +2.2
SNH	Sunshine Point	3.68 105	Pn	15 23 49.9 0.0
SNH	comp=E,121nm,0.9s		IAML	15 24 50.7
SNH	comp=N,105nm,0.8s		IAML	15 24 55.2
Q19K	Katmai Hardscr	3.69 225	P	15 23 51.5 +1.3
IL31	Eielson Array	3.73 21	P	15 23 52.2 +1.8
ILAR	Eielson Array	3.73 21	P	15 23 51.9 +1.5
ILAR	comp=N,1.6nm,0.3s,baz=200,slow=14,SNR=45		S	15 24 33.4 +0.3

IL03	Eielson Array	3.73 21	Pn	15 23 52.0 +1.5
J19K	Poorman	3.73 318	Pn	15 23 51.1 +0.6
J19K	comp=N,110nm,0.6s		IAML	15 24 34.7
J19K	comp=N,110nm,0.6s		IAML	15 25 03.4
J19K	Poorman	3.73 318	P	15 23 52.0 +1.5
KDAK	Kodiak Island	3.80 202	Pn	15 23 51.0 -0.4
KDAK	Kodiak Island	3.80 202	P	15 23 50.1 -1.4
KDAK	comp=N,1.8nm,0.3s,baz=112,slow=5.4,SNR=2.0		S	15 24 35.5 +0.7
J18K	Innoko River	3.80 307	IAML	15 23 52.3 +0.8
J18K	comp=N,89nm,0.5s		IAML	15 24 36.5
J18K	Innoko River	3.80 307	Pn	15 23 52.3 +0.8
SCRK	Sand Creek	3.83 43	Pn	15 23 53.2 +1.2
SCRK	comp=E,144nm,0.6s		IAML	15 24 54.8
SCRK	comp=N,127nm,0.6s		IAML	15 24 57.2
SCRK	Sand Creek	3.83 43	P	15 23 53.1 +1.2
I23K	Minto, Yukon-K	3.84 4	Pn	15 23 52.8 +0.8
I23K	Minto, Yukon-K	3.84 4	P	15 23 54.0 +2.0
O17K	Koliganek Bris	3.85 249	Pn	15 23 53.0 +0.8
P17K	Kvichah River	3.87 239	Pn	15 23 53.0 +0.6
J25K	Salcha River,	3.91 30	IAML	15 23 54.5 +1.5
J25K	comp=E,158nm,0.5s		IAML	15 24 49.2
J25K	comp=N,105nm,0.5s		IAML	15 24 49.8
J25K	Salcha River,	3.91 30	P	15 23 54.3 +1.3
I21K	Tanana	3.97 348	IAML	15 23 55.3 +1.5
I21K	comp=N,86nm,0.8s		IAML	15 25 08.4
I21K	Tanana	3.97 348	P	15 23 55.3 +1.5
M27K	Edge Creek, AK	3.97 71	Pn	15 23 55.2 +1.3
POKR	Poker Plat Res	3.97 16	Pn	15 23 54.7 +0.9
POKR	comp=N,104nm,0.8s		IAML	15 25 02.3
POKR	Poker Plat Res	3.97 16	P	15 23 55.0 +1.2
I20K	Naaghedeneel	4.04 331	Pn	15 23 55.5 +0.9
I20K	Naaghedeneel	4.04 331	P	15 23 55.5 +0.9
L17K	Donlin	4.04 285	Pn	15 23 55.6 +0.8
L17K	Donlin	4.04 285	P	15 23 55.6 +0.8
MESA	MESA	4.10 103	IAML	15 23 56.0 +0.3
MESA	comp=N,150nm,1.4s		IAML	15 25 08.4
MESA	comp=N,150nm,1.4s		IAML	15 25 09.8
MESA	MESA	4.10 103	Pn	15 23 56.0 +0.3
MESA	comp=N,150nm,1.4s		IAML	15 25 09.8
ACHA	Angle Creek He	4.14 223	Pn	15 23 57.1 +0.9
K17K	Iditarod	4.17 293	IAML	15 23 57.5 +1.1
K17K	comp=N,128nm,1.2s		IAML	15 25 21.7
K17K	Iditarod	4.17 293	P	15 23 57.3 +0.8
L27K	Beaver Creek,	4.19 62	Pn	15 23 58.0 +1.1
ANCK	Angle Creek A	4.20 224	Pn	15 23 58.2 +1.1
BCAR	Beaver Creek A	4.21 62	Pn	15 23 57.9 +0.8
Q16K	King Salmon	4.28 235	P	15 23 59.7 +1.6
Q17K	Contact Creek	4.29 227	Pn	15 23 59.1 +0.8
J26L	Joseph Creek	4.32 40	Pn	15 24 00.9 +2.2
J26L	comp=E,125nm,0.5s		IAML	15 24 57.2
KJL	Kejulik	4.34 223	Pn	15 24 00.4 +1.4
M16K	Timber Creek	4.37 270	Pn	15 24 00.2 +1.0
M16K	Timber Creek	4.37 270	P	15 24 00.1 +0.9
N16K	Nishlik Lake	4.38 263	Pn	15 24 00.2 +0.7
N16K	Nishlik Lake	4.38 263	P	15 24 00.2 +0.7
O16K	Kokwok River B	4.38 250	Pn	15 23 59.7 +0.2
O16K	comp=N,58nm,1.3s		IAML	15 25 17.4
O16K	comp=N,58nm,1.3s		IAML	15 25 32.2
O16K	Kokwok River B	4.38 250	P	15 23 60.0 +0.5
YUK2	White River	4.39 80	Pn	15 24 00.6 +1.0
R18K	Kariuk	4.42 213	IAML	15 24 00.8 +0.9
R18K	comp=E,164nm,0.5s		IAML	15 25 01.0
R18K	comp=N,146nm,0.5s		IAML	15 25 04.5
R18K	Kariuk	4.42 213	P	15 24 00.8 +0.9
BVCY	Beaver Creek	4.45 72	Pn	15 24 01.4 +1.0
BVCY	Beaver Creek	4.45 72	P	15 24 01.4 +1.0
OHAK	Old Harbor	4.46 204	Pn	15 23 59.9 -0.6
OHAK	Old Harbor	4.46 204	P	15 24 00.9 +0.4
H21K	Melozitina Rive	4.53 345	Pn	15 24 01.7 +0.3
H21K	Melozitina Rive	4.53 345	P	15 24 02.4 +1.0
L16K	Owhat River	4.57 279	Pn	15 24 02.6 +0.7
L16K	comp=N,48nm,0.9s		IAML	15 25 31.3
L16K	Owhat River	4.57 279	P	15 24 02.7 +0.7
YUK3	Moose Creek	4.57 80	Pn	15 24 03.1 +0.9
YUK3	Moose Creek	4.57 80	P	15 24 03.1 +0.9
H24K	Noodor Dome	4.62 11	Pn	15 24 04.4 +1.6
H24K	comp=N,50nm,1.2s		IAML	15 25 38.3
P16K	Nushagak River	4.62 244	Pn	15 24 03.6 +0.9
H22K	Ishlitalina Cre	4.62 353	Pn	15 24 04.2 +1.5
H22K	Ishlitalina Cre	4.62 353	P	15 24 04.2 +1.5
PRP	Porcupine Dome	4.65 23	Pn	15 24 05.8 +2.6
PRP	comp=N,105nm,0.6s		IAML	15 25 06.6
PRP	Porcupine Dome			

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Kalwaria Pacla, NORSAR Subarra, NORSAR Array B, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Hagfors, FINES Array B, EKA, ARCES Array B, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KULA-Manisa, KUDZ, SIMA, RZN, etc.

ATH 03 16:25:53.3, 35:70N-21:96E, h8km, 3km, ML3.3/2, Manual Solution by M.Charalampakis This location: 2020/09/30 11:22:40 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 4 km, Longitude uncertainty: 4 km

NEIC 03 16:30:03.2-0.9, 36:45N-0:01:96:88W-0:02, h5km, 1km, mb_Lg2.4/2, ML2.1/47, ML2.6/14, Error ellipse: s-maj=2.8km s-min=2.0km az=62.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ABJI, KMMI, LWLI, MNAI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NDS, LATG, ENTT, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JMA, IRIF, IRIR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BBOO, WHYH, NAPP, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DJA, IDG, ISG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CMJI, CMJI, KPJI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IDC, IDG, ISG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SONM, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DNP, DNP, PLAI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DJA, Code, Station Name, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IDC, KRSC, NEIC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ISG, BKI, BKI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CMJI, CMJI, KPJI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IDC, IDG, ISG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SONM, MKAR, MKAR, etc.

TAP 03 16:49:29.0,24.74N,121.81E, h11km, ML1.1,D,Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EWUT, ENA, ENA, etc.

DJA 03 17:33:27.0,2.8'S,3.11'E, h10km, M4.0,14, mb4.5/2, MLV3.7/14, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SRBI, SRBI, SRBI, etc.

DJA 03 17:49:05.2,0.9,10.54,S,10.8E, h18km, gkm, M4.0/15, mb4.3/3, MLV3.9/15, South of Java

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CMJI, KPJI, etc.

Table with columns: ERM, comp-Z, 1.66nm, 1.5s, pmax, pmax, 18 01 07.8 +0.2, etc. Includes rows for YAK, N15K, J16K, I17K, O15K, D17K, L16K, G17K, F17K, RDOG, E17K, M16K, C17K, H17K, N16K, J17K, L17K, K17K, E18K, F18K, CHGN, H18K, M17K, C18K, G18K, B18K, O17K, L18K, J18K, I18K, F19K, F19K, G19K, C19K, N18K, N19K, H19K, J19K, Q17K, E19K, E19K, D19K, P18K, L19K, ACHA, N19K, N19K, F20K, H20K, I20K, D20K, K20K, J20K, B20K, TIXI, TIXI, IMAR, ILSW, G21K, G21K, G21K, F21K, F21K, C21K, H21K, E21K, CAST, A21K, B21K, I21K, Q20K, SKT, KDAK, KDAK, F22K, F22K, H22K, D22K, D22K.

Table with columns: D22K, BPAW, G22K, SUA, TRF, COLD, G23K, G23K, D23K, D23K, I23K, I23K, NEA2, MCK, E23K, E23K, C23K, C23K, C23K, TOLK, TOLK, WAT1, SML, E24K, H24K, D24K, WAT6, F24K, POKR, C24K, M23K, G24K, G24K, DHA, DHD, SCM, IL31, IL31, ILAR, MJAR, M24K, D25K, K24K, PRP, F25K, F25K, J25K, E25K, E25K, KLU, HARP, RIDG, BMAR, F26K, F26K, SCRK, C27K, C27K, M26K, E27K, H27K, L27K, D27K, D27K, M27K, EGAK, F28M, I28M, BVCY, E28M, D28M, DAWY, H28M, E29M, G29M, O28M, M29M, L29M, EPYK, K29M, G30M, I30M, F30M, M30M, HYT, KSR5.

Table with columns: comp-Z, 2.0nm, 0.8s, baz=46, slow=9.4, SNR=7.9, INK, H31M, F31M, N31M, O30N, M31M, WHY, F30M, C36M, DLBC, T35M, SONM, TOAD, JOW, YKA, KURK, KURK, KURK, KURB, MKAR, BVAR, BRVK, BRVK, BRVK, NVAR, R11B, PDAR, ULM, AAK, AAK, AAK, FINES, FINES, FINES, BTK, BTK, BTK, BTK, BORG, CMAR, NB2, NOA, SCHO, HFS, TXAR, AKASG, GERES, MLR, DAVOX, BRTR, WRA, WRA, CMIG, ASAR, ESDC, STKA.

MOS 03 17:57:43.9.1.3.53:10N:160.00E, h58km, mb5.3/90, MS4.3/5, Error ellipse: s-maj=8.9km s-min=1.0km az=45.1 KRCS 03 17:57:43.0.9.53:14N:160.05E, h58km, mb5.6/90, M15.4, Felt [IV] at river Karimshina (stationary KF-GS), kordon Kronok [III/IV] at Duniy (near PK), Petropavlovsk [III] at Ribachi, Elizovo, MGGeS-1, [II-III] at Flamingo, Felt at cape Shipunskiy, kordon Cape Nalichevo, Viluchinsk. NEIC 03 17:57:46.1.4.53:33N:0.09:159:7E:0.1, h68km, 3km, mb5.0/293, Error ellipse: s-maj=14.2km s-min=8.0km az=160.0 GCMT 03 17:57:48.1.0.2.53:13N:0.01:160:24E:0.02, h62km, MV5.1/15, Moment Tensor Solution. s98,c143; s115,c190; Duration: 0 Moment tensor: Scale 10^16Nm; Mm-4.85e-12; M00-1.49e-10; M01-3.36e-10; M02-1.01e-08; M03-2.91e-08; M04-1.01e-08; Best double couple: Mb5.39600x10^16 NP1:3213.00000; 837.00000; 783.00000; NP2:339.00000; 853.00000; 1.94.00000; Principal axes: T 5.0870, P1g81.0000; Azm326.0000; N 0.6190, P1g3.0000; Azm217.0000; P -5.7050, P1g8.0000; Azm126.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function IDC 03 17:57:48.0.9.53:32N:159:63E, h90km, 7km, mb4.5/41, mbmp4.9/45, MS3.9/22 Error ellipse: s-maj=11.1km s-min=8.5km az=137.0 BGR 03 17:57:58.1.55:40N:157:59E, h33km, mb5.0 ISC 03 17:57:45.0.0.53:19N:160.04:159:89E:0.03, h62km, 3km, n1011, i126/969, mb5.0/316, 49C-23D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various other parameters for stations like Mys Shipunski, Nalytchevo, Avacha, Koryaka, etc.

Table with columns: YAK, Yakutsk, Time, Res, and various other parameters for stations like Yakutsk, M11K, M13K, etc.

Table with columns: H18K, CHGN, G18K, INU, etc., and various other parameters for stations like Honhosa River, Chignik, Tagagawik, Inuyama, etc.

3d 17h

2019 JAN

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error, Azimuth Error, Elevation Error. Includes entries like I23K Minto, Yukon-K, C23K Ikkilik River, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error, Azimuth Error, Elevation Error. Includes entries like G29M Pine Creek, O28M Mount Upton, YUK8 Stee Glacier, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Date, Time, Azimuth Error, Elevation Error, Azimuth Error, Elevation Error. Includes entries like YKA comp=Z,0.2nm,0.5s, RES NOR Nord, KBS KBS Kingsbay, etc.

Table with columns: Call sign, Frequency, Mode, Power, Date, Name, and other details. Includes entries like GAL1, IDGL, OJC, etc.

Table with columns: Call sign, Frequency, Mode, Power, Date, Name, and other details. Includes entries like PSZ, PSZ, PSZ, etc.

Table with columns: Call sign, Frequency, Mode, Power, Date, Name, and other details. Includes entries like SQTA, MYKA, ABTA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SLWR Sila, PGF Pioggiola, MMTA Mount Meron Ar, etc.

HEL 03 18:00:46.0+0.4, 67.06N; 20.83E, h0km, ML2.2, Explosion
HPL 03 18:00:46.3+0.1, 67.08N; 20.96E, h0km, ML2.2, Unknown
IDC 03 18:00:47.3+0.9, 67.09N; 21.16E, h0km, mbm2p.8/4,
ML1.9/4, Error ellipse: s-maj=17.9km, s-min=7.3km
az=110.0

ISC 03 18:00:46.1+0.7, 67.09N; 0.02; 20.92E; 0.03, h0km, n44,
s167; 65, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DUNU Dundret, DUNU Las Juntas de, ERTU Ertsaerv, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HEF Hetta, HEF Hetta, HEF Hetta, etc.

IDC 03 18:01:10.5+0.8, 67.09N; 21.28E, h0km, mbmp3.4/5,
ML2.0/5, Error ellipse: s-maj=15.4km, s-min=6.9km
az=108.0, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARCES ARCESS Array B, ARCES ARCESS Array B, etc.

ASIES 03 18:02:48.8, 22.90N; 120.97E, h5km, ML4.9, Mw4.7,
Moment Tensor Solution. Moment tensor: Scale 1023Nm;
Mrr-0.61; Mss0.03; Mss0.59; Mss0.03; Mss-0.35; Mrr1.37;
Fault plane solution: Mo1.53461x1023 NPI;
phi=310.390000; s17.580000; lambda=136.320000. NP2:
phi=178.080000; s77.960000; lambda=77.090000. Principal axes:
T: P1g31.7750; Azm255.3700; Azm12.6170;
Az=355.340000; P: P1g65.2400; Azm104.160000;
TAP 03 18:02:48.8, 22.90N; 120.97E, h5km, ML4.9, C
MOS 03 18:02:48.2, 1.2, 22.87N; 121.08E, h1km, mb4.9/49, Error
ellipse: s-maj=9.3km, s-min=5.3km, az=114.4

NIED 03 18:02:49.4, 22.87N; 121.19E, h6km, Mw4.9, Moment
Tensor Solution. s3 Moment tensor: Scale 1019Nm;
Mrr-1.63; Mss0.72; Mss0.91; Mss1.78; Mss-0.13; Mrr-0.30;
Fault plane solution: Mo2.18000x1016 NPI;
phi=123.000000; s18.000000; lambda=73.000000. NP2:
phi=285.000000; s73.000000; lambda=95.000000.

JMA 03 18:02:49.4+0.1, 22.92N; 0.3; 121.1E; h6km, 1km, MV4.5/17,
TAIWAN REGION
BUJ 03 18:02:49.9, 22.84N; 121.00E, h10km, mb4.8/19, mb4.4/58,
ML4.5/8, Ms4.6/56, Ms7.4/3/50

NEIC 03 18:02:50.1, 1.6, 22.93N; 0.04; 121.04E; 0.07, h10km, 1km,
mb4.8/82, Error ellipse: s-maj=10.2km, s-min=7.5km
az=95.0

GCMT 03 18:02:51.0, 1.0, 22.97N; 0.04; 120.92E; 0.03, h18km, 1km,
MV4.8/76, Moment Tensor Solution. s17, c18; s76, c97;
Duration: 0 Moment tensor: Scale 1019Nm; Mrr-2.27; 18;
Mss0.53; 10; Mss1.74; 12; Mss0.05; 35; Mss-0.30; 06;
Mss0.54; 26; Best double couple: Mo2.10900x1016
NPI; phi=344.000000; s38.000000; lambda=95.000000. NP2:
phi=171.000000; s52.000000; lambda=88.000000. Principal axes:
T: 1.8740, P1g7.0000; Azm258.0000; N: 0.4660;
P1g3.0000; Azm348.0000; P: 2.3440, P1g82.0000;
Azm103.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

IDC 03 18:02:58.2+2.6, 22.90N; 121.18E, h75km, 23km, mb4.2/35,
mbmp4.5/37, MS4.0/20 Error ellipse: s-maj=15.2km
s-min=11.2km, az=67.0

ISC 03 18:02:50.9+0.5, 22.87N; 0.01x121.04E; 0.01, h15km, 2km,
n477, s1974/603, mb4.7/122, MS4.0/28, 50C-7D, Taiwan
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TWG Pinlang, TWG Pinlang, TWG Pinlang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EDH Chishang, EDH Chishang, EDH Chishang, etc.

3d 18h

2019 JAN

Table with columns for station code, name, time, and status. Includes stations like WTC, HWA, WCH, WCHH, WHF, TWD, etc.

Table with columns for station code, name, time, and status. Includes stations like SSE, TNGY, CNGSH, CNGSH, CNGSH, etc.

Table with columns for station code, name, time, and status. Includes stations like HHC, HHC, HHC, HHC, HHC, etc.

2019 JAN

Table with columns: 3er, GERES, SUMG, MOA, YKA, YKA, OBKA, KMBO, WTTA, DAVOX, ICESG, BORG, EKA, EKA, DY2G, DY2G, B08A, B08A, D08A, D08A, PPT2, PPT2, ESDC, TROLL, TROLL. Includes station names, coordinates, and status.

Table with columns: SONM, PETK, MK31, MKAR, MAKZ, ZALV, KURBB, KURK, KURK, KKAR, BVAR, BRVK, BRVK, ABKAR, Vnda, G19K, E19K, E19K, VOI, IMAR, CAST, CAST, SML, SML, C23K, C23K, SCM. Includes station names, coordinates, and status.

Table with columns: IVE, ILSW, ILS, PWL, N16K, BWN, BWN, SCW, SCW, J19K, J18K, J18K, DHY, DHY, DHY, SEW, BRK, BRK, BRK, BRK, BRSE, M17K, M17K, M17K, P19K, P19K, P19K, CNPM, CNPM, CNPM, CNPM, O18K, I20K, I20K, NEA2, NEA2, NEA2, M17K, M17K, M17K, K17K, K17K, N17K, WRH, WRH, WRH, I21K, I21K, I21K, KLU, KLU, KLU, FID, FID, CCB, CCB, CCB, P18K, I23K, I23K, I23K, HAX, HAX, DIV, HIN, HARP, COLA, COLA, K24K, Q19K, M16K, L16K, H21K, H21K, H20K, IL3, IL3, ILAR, N16K, SYI, SYI, SYI, POKR, POKR, POKR, N25K, N25K, RIDG, RIDG, RIDG, H22K, H22K, WASW, H19K, H19K, IMAR, BMRM, J25K, J25K, GOAT, J16K, DOT, MENT, MENT, H18K, GLB, GLB, GLB, RAGM, RAGM, Noodor, SCRK, SCRK, SCRK, G21K, G21K, G21K, KDAK, KDAK, KDAK.

NEIC 03 18:20:48.2±1.0, 62.2°21'N, 0°04:15.2°30'W, 0.07, h130km, 6km, Error ellipse: s-maj=5.8km s-min=4.3km az=211.0

AEIC 03 18:20:49.6±0.7, 62.221°N, 0°04:15.225'W, 0.07, h124km, 5km, ML2.7, ML2.9/156(NEIC), Error ellipse: s-maj=5.4km s-min=4.6km az=196.0, Central Alaska

DJA 03 18:16:10.3±0.3, 2°N, 4°12'9"E, h10km, M4.4/16, mB4.8/2, mb4.6/11, MLv4.3/16, Mw(mB)4.1/2

NEIC 03 18:16:12.2±1.6, 1.739°N, 0°09:128.64E, 0.04, h35km±2km, mb4.5/25, Error ellipse: s-maj=15.4km s-min=5.4km az=198.0

IDC 03 18:16:12.3±4.5, 1.87N, 128.95E, h41km±43km, mb3.7/15, mbmp4.0/16, ML4.3/1, Error ellipse: s-maj=28.1km s-min=12.5km az=77.0

ISC 03 18:16:14.1±0.5, 1.73N, 0°06:128.73E, 0.08, h61km, n71, ±1516/63, mb4.2±6, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations and their details.

Table with columns: KDAK, comp, IAML, 18 22 36.5, 18 23 53.0, 18 21 56.4 -1.0, 18 22 49.6, 18 23 05.3, 18 21 59.4 -1.5, 18 21 59.8 -1.5, 18 21 59.3 -1.9, 18 22 02.8 -0.5, 18 22 02.0 -1.6, 18 23 04.1, 18 22 04.2 -1.1, 18 22 05.5 -1.2, 18 22 06.7 -1.1, 18 22 09.2 -1.2, 18 22 08.5 -1.9, 18 22 10.1 -1.1, 18 22 11.9 -0.9, 18 22 15.1 -1.1, 18 22 16.2 -0.9, 18 22 17.1 -1.5, 18 22 16.8 -1.4, 18 22 23.5 +0.1, 18 22 22.4 -1.2, 18 22 27.1 +0.3, 18 22 27.3 -1.4, 18 22 30.4 -1.9, 18 22 35.4 -1.2, 18 22 57.7 -1.0, 18 23 10.7 0.0

SOME 03 18:23:57.9, 41°03N, 79°30E, h10km
NMC 03 18:23:57.9, 41.4, 401°99N, 79°21E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=9.3km s-min=7.1km az=157.0
KRNET 03 18:23:56.8, 3.6, 40.1, 82N, 78.89E, mb2.6
ISC 03 18:23:56.8, 3.6, 40.1, 82N, 78.89E, mb2.6

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like KDJ, ANVS, SATY, UZB, SHLS, ZHN, ZHH, PDGK, KPDK, KURS, TNSS, MDOK, KOTS, KST, BLB, KVT, KST, KST, DJR, KVT, KVT, ARXS, ARXS, ARXS, DGS, DGS, DGS, ARLS, ARLS, NEIC 03 18:24:36.7, 1.3, 18°62S, 0°10', 173°1W, 0°1', h10km, 2km, mb3.8/8, Error ellipse: s-maj=22.4km s-min=5.6km az=45.0, IDC 03 18:24:37.6, 1.1, 18°81S, 173°49W, h0km, mb4.2/9, mbmp4.2/9, Error ellipse: s-maj=31.9km s-min=25.3km az=103.0, ISC 03 18:24:38.3, 0.6, 18°7S, 0°1', 173°06W, 0°0', h19km, n26, a1566/28, mb4.4/12, Tonga Islands, CTAO Charters Tower, COEN Cope, STKA Stephens Creek, STKA Stephens Creek, WB0 Warramunga Arr, WB2 Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, MTN Mantou Dam, FITZ Fitzroy Crossi, VDA Vanda, VDA Vanda, MBWA Marble Bar, NWAO Narrogin (SRO), QSPA South Pole Qui, MJAR Matsushiro Arr, KSRS Korea Array, ILAR Eielson Array, BVAR Borovoye Array, IDC 03 18:42:39.7, 1.4, 10°98N, 127°63E, h0km, mb3.8/8, mbmp3.8/8, Error ellipse: s-maj=100.1km s-min=17.7km az=71.0, ISC 03 18:42:45.0, 1.4, 10°9N, 0°2', 127°5E, 0°16', h35km, n8, a036/11, mb3.8/8, Philippine Islands region, BATI Baumata, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, BVAR Borovoye Array, FINES FINES Array B, BUJ 03 18:51:33.0, 58°87N, 154°39W, h74km, mb5.0/8, mb4.7/29, NEIC 03 18:51:36.9, 1.1, 58°56N, 0°4', 154°10W, 0°08', h92km, 4km, Error ellipse: s-maj=6.3km s-min=5.1km az=136.0, IDC 03 18:51:37.6, 0.5, 58°83N, 154°24W, h97km, 3km, mb4.0/32, mbmp4.3/37, MS3.3/13, Error ellipse: s-maj=13.6km s-min=7.1km az=26.0, AEIC 03 18:51:38.2, 1.4, 58°56N, 0°03', 154°11W, 0°06', h85km, 4km, ML4.4, mb4.7/92(NEIC), ML4.6/124(NEIC), Error ellipse: s-maj=6.4km s-min=0.7km az=135.0, ISC 03 18:51:38.6, 0.4, 58°65N, 0°04', 154°10W, 0°03', h95km, 3km, n501, a115/472, mb4.6/80, 2D, Alaska Peninsula, KAHG Katmai Hook GI, KAHR Katmai Rainbow, Q19K Cape Douglas, Q19K Cape Douglas, KAWH Katmai, KAHC Katmai Hardscr, KAHC Katmai Hardscr, Q18K Katmai Hardscr, KVT Katmai Vly, KCE Katmai Mt Cerb, ACHA Angle Creek He, AUCH Augustine Cone, AUZZ Augustine Moun, ANCK Angle Creek, Q20K Shuyak Island, SYI Shuyak Island, SYI Shuyak Island, P18K Big Mountain, P18K Big Mountain

Table with columns: DGS, DGS, DGS, ARLS, ARLS, NEIC 03 18:24:36.7, 1.3, 18°62S, 0°10', 173°1W, 0°1', h10km, 2km, mb3.8/8, Error ellipse: s-maj=22.4km s-min=5.6km az=45.0, IDC 03 18:24:37.6, 1.1, 18°81S, 173°49W, h0km, mb4.2/9, mbmp4.2/9, Error ellipse: s-maj=31.9km s-min=25.3km az=103.0, ISC 03 18:24:38.3, 0.6, 18°7S, 0°1', 173°06W, 0°0', h19km, n26, a1566/28, mb4.4/12, Tonga Islands, CTAO Charters Tower, COEN Cope, STKA Stephens Creek, STKA Stephens Creek, WB0 Warramunga Arr, WB2 Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, MTN Mantou Dam, FITZ Fitzroy Crossi, VDA Vanda, VDA Vanda, MBWA Marble Bar, NWAO Narrogin (SRO), QSPA South Pole Qui, MJAR Matsushiro Arr, KSRS Korea Array, ILAR Eielson Array, BVAR Borovoye Array, IDC 03 18:42:39.7, 1.4, 10°98N, 127°63E, h0km, mb3.8/8, mbmp3.8/8, Error ellipse: s-maj=100.1km s-min=17.7km az=71.0, ISC 03 18:42:45.0, 1.4, 10°9N, 0°2', 127°5E, 0°16', h35km, n8, a036/11, mb3.8/8, Philippine Islands region, BATI Baumata, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, BVAR Borovoye Array, FINES FINES Array B, BUJ 03 18:51:33.0, 58°87N, 154°39W, h74km, mb5.0/8, mb4.7/29, NEIC 03 18:51:36.9, 1.1, 58°56N, 0°4', 154°10W, 0°08', h92km, 4km, Error ellipse: s-maj=6.3km s-min=5.1km az=136.0, IDC 03 18:51:37.6, 0.5, 58°83N, 154°24W, h97km, 3km, mb4.0/32, mbmp4.3/37, MS3.3/13, Error ellipse: s-maj=13.6km s-min=7.1km az=26.0, AEIC 03 18:51:38.2, 1.4, 58°56N, 0°03', 154°11W, 0°06', h85km, 4km, ML4.4, mb4.7/92(NEIC), ML4.6/124(NEIC), Error ellipse: s-maj=6.4km s-min=0.7km az=135.0, ISC 03 18:51:38.6, 0.4, 58°65N, 0°04', 154°10W, 0°03', h95km, 3km, n501, a115/472, mb4.6/80, 2D, Alaska Peninsula, KAHG Katmai Hook GI, KAHR Katmai Rainbow, Q19K Cape Douglas, Q19K Cape Douglas, KAWH Katmai, KAHC Katmai Hardscr, KAHC Katmai Hardscr, Q18K Katmai Hardscr, KVT Katmai Vly, KCE Katmai Mt Cerb, ACHA Angle Creek He, AUCH Augustine Cone, AUZZ Augustine Moun, ANCK Angle Creek, Q20K Shuyak Island, SYI Shuyak Island, SYI Shuyak Island, P18K Big Mountain, P18K Big Mountain

Table with columns: P18K, P18K, P18K, CNTC, Q17K, P19K, P19K, R18K, KDAK, KDAK, KDAK, P17K, P17K, O18K, O18K, O18K, O18K, Q16K, ILSW, IVE, OHAK, OHAK, OHAK, OHAK, O19K, O19K, HOM, HOM, HOM, O20K, CNPM, CNPM, CNPM, PLBL, O17K, O17K, BRK, BRK, BRK, BRSE, P16K, SII, SII, SII, R16K, R16K, N19K, N19K, N18K, N18K, N18K, O16K, O16K, O16K, N17K, N17K, N17K, CAPN, SLKM, SLKM, SLKM, SPCR, SPCR, SPU, ANNE, SEW, SEW, AZAC, Q22K, ANPB, CHIR, CHIR, CHIR, CHIR, M18K, M18K, N16K, N16K, O15K, O15K, FIS, FIS, M17K, M17K, M20K, M20K, RC01, RC01, RC01, CHGN, CHGN, M16K, M16K, M16K, M16K, N15K, N15K

3d 18h

N15K	comp=E,1um,0.8s	IAML	18 53 11.7
N15K	Kwethuk River baz=114	P Pn	18 52 29.5 +1.5
L19K	White Mountain baz=174,SNR=137	Pn	18 52 31.3 +1.4
L19K	comp=E,842nm,0.9s	IAML	18 53 41.7
L19K	White Mountain baz=174,SNR=137	P Pn	18 52 31.4 +1.5
SKT	Skwenka baz=202,SNR=27	P Pn	18 52 31.5 +1.4
PWL	Port Wells comp=E,824nm,0.2s	IAML	18 53 13.6
PWL	Port Wells baz=235,SNR=20	P Pn	18 52 31.5 +0.3
VNHG	Veniaminov I	Pn	18 52 31.5 +0.1
P23K	Montague Isian baz=251	Pn	18 52 32.1 +0.5
M22K	Willow	P Pn	18 52 31.3 -0.3
M22K	Willow	P Pn	18 52 33.0 +1.4
O14K	Tiguykaiwet M	IAML	18 52 33.3 +0.8
O14K	Tiguykaiwet M comp=E,756nm,1.0s	IAML	18 53 47.4
O14K	comp=N,67nm,1.0s	IAML	18 53 50.3
O14K	Tiguykaiwet M baz=97	P Pn	18 52 33.4 +0.9
L18K	Granite Mounta baz=159	P Pn	18 52 34.5 +1.4
L20K	Farewell, AK Farewell, AK	P Pn	18 52 35.1 +1.4
L20K	Farewell, AK	P Pn	18 52 35.5 +1.8
PMR	Palmer	Pn	18 52 33.8 -0.1
PMR	Palmer	P Pn	18 52 34.4 +0.5
PMR	Palmer baz=222,SNR=16	P Pn	18 52 34.6 +0.8
M15K	Palmer Kasiguk River baz=119	P Pn	18 52 35.8 +1.1
KNK	Knik Glacier	IAML	18 52 35.9 +0.6
KNK	Knik Glacier comp=N,905nm,0.2s	IAML	18 53 21.0
KNK	Knik Glacier baz=228,SNR=18	P Pn	18 52 36.0 +0.7
GHO	Glory Hole Cre GHO	P Pn	18 52 37.8 +1.1
GHO	Glory Hole Cre comp=E,642nm,0.7s	IAML	18 53 28.8
GHO	comp=N,642nm,0.6s	IAML	18 53 31.8
L17K	Donlin	P Pn	18 52 37.9 +1.2
L17K	Donlin baz=148	P Pn	18 52 37.9 +1.2
L16K	Owhat River comp=N,447nm,1.1s	IAML	18 53 16.2
L16K	comp=E,598nm,1.0s	IAML	18 54 01.3
L16K	Owhat River baz=137,SNR=197	P Pn	18 52 37.9 +1.1
Q23K	Middleton Isla	P Pn	18 52 36.9 +0.1
Q23K	comp=N,1um,0.9s	IAML	18 53 24.6
Q23K	comp=E,736nm,1.0s	IAML	18 53 25.5
Q23K	Middleton Isla baz=262,SNR=6.3	P Pn	18 52 36.8 -0.1
N14K	Kuskokwec Cree baz=106,SNR=63	P Pn	18 52 38.2 +1.2
CUT	Chulitna	IAML	18 52 39.7 +1.0
CUT	Chulitna comp=N,768nm,0.8s	IAML	18 53 33.5
CUT	comp=E,871nm,0.7s	IAML	18 53 45.4
CUT	Chulitna baz=208	P Pn	18 52 40.1 +1.5
SML	Sawmill	P Pn	18 52 39.9 +0.4
SML	Sawmill comp=N,540nm,0.7s	IAML	18 53 28.9
SML	comp=E,482nm,1.1s	IAML	18 53 51.0
SML	Sawmill baz=224,SNR=12	P Pn	18 52 40.0 +0.4
PPLA	Purkeypile baz=193,SNR=13	P Pn	18 52 42.4 +1.6
FID	Port Fidalgo	Pn	18 52 40.4 -0.6
FID	Port Fidalgo comp=N,791nm,0.6s	IAML	18 53 31.6
M23K	Glacier View baz=228,SNR=19	P Pn	18 52 42.9 +0.6
M14K	Bethel comp=E,397nm,1.1s	IAML	18 54 18.9
M14K	comp=N,330nm,1.0s	IAML	18 54 21.9
M14K	Bethel baz=115,SNR=46	P Pn	18 52 43.8 +1.2
K17K	Iditarod	Pn	18 52 45.0 +1.5
K17K	Iditarod comp=E,687nm,1.1s	IAML	18 54 06.2
K17K	comp=N,674nm,0.8s	IAML	18 54 11.2
K17K	Iditarod baz=152	P Pn	18 52 45.0 +1.5
SCM	Sheep Creek Mo baz=229,SNR=12	P Pn	18 52 45.2 +0.7
EYAK	Cordova Ski Ar baz=249,SNR=7.5	P Pn	18 52 44.6 +0.1
EYAK	Cordova Ski Ar Telida	P Pn	18 52 45.1 +0.5
K20K	Telida baz=180,SNR=83	P Pn	18 52 46.7 +1.1
L15K	Ungalak Mounta	Pn	18 52 47.1 +0.8
L15K	Ungalak Mounta baz=127	P Pn	18 52 47.1 +0.8
CHNA	Chernabura Isl baz=96	P Pn	18 52 47.5 -0.1
CAST	Castle Rocks baz=192,SNR=103	P Pn	18 52 49.5 +1.7
KLU	Klutina comp=N,616nm,0.2s	IAML	18 53 46.2
KLU	Klutina baz=238,SNR=51	P Pn	18 52 49.6 +0.4
J18K	Innoko River comp=E,639nm,1.1s	IAML	18 54 23.5
J18K	Innoko River baz=164,SNR=272	P Pn	18 52 51.0 +1.7
WAT1	Susitna Watana baz=215	P Pn	18 52 49.9 +0.6
M13K	Dall Lake	Pn	18 52 50.4 +0.8
M13K	Dall Lake comp=N,254nm,1.1s	IAML	18 54 21.5
M13K	comp=E,432nm,1.1s	IAML	18 54 34.6
M13K	Dall Lake baz=107	P Pn	18 52 51.1 +1.4
WAT6	Susitna Watana baz=221,SNR=37	P Pn	18 52 50.3 +0.4
L14K	Kuka Creek baz=119	P Pn	18 52 51.8 +1.4
RAGM	Ragged Mountai KAIM	P Pn	18 52 50.9 +1.0
KAIM	Kayak Island baz=259,SNR=19	P Pn	18 52 52.0 +0.9
GOAT	Goat Mountain	P Pn	18 52 51.4 +0.2
KTH	Kantishna Hill comp=E,218nm,1.1s	IAML	18 54 34.0
TRF	Thorofare Moun comp=N,288nm,1.1s	IAML	18 54 13.6
TRF	comp=E,217nm,1.1s	IAML	18 54 17.1
TRF	Thorofare Moun baz=202,SNR=7.6	P Pn	18 52 52.9 +1.3
K15K	Wolf Creek Mou	P Pn	18 52 52.9 +1.1
K15K	Wolf Creek Mou comp=E,245nm,0.8s	IAML	18 54 28.2
K15K	Wolf Creek Mou baz=132	P Pn	18 52 53.3 +1.5
M24K	Tolsona, Glenn	P Pn	18 52 53.1 +0.5
M24K	comp=N,503nm,1.1s	IAML	18 53 57.3
M24K	Tolsona, Glenn baz=232,SNR=12	P Pn	18 52 53.3 +0.6
CHUM	Lake Minchumini baz=190	P Pn	18 52 55.1 +1.5
BMRM	Bremner River baz=243,SNR=18	P Pn	18 52 54.1 +0.3
J17K	VABM Dome baz=151,SNR=40	P Pn	18 52 55.1 +1.2
PS4A	Pavlov South-4	Pn	18 52 53.8 -0.7
PN7A	Pavlov North-7	Pn	18 52 53.9 -0.8
J19K	Poorman	Pn	18 52 56.0 +1.2

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J19K	Poorman baz=172	5.41 353 P Pn	18 52 56.1 +1.2
DHY	Denali Highway baz=219,SNR=18	5.52 34 P Pn	18 52 57.0 +0.5
J20K	Nowita River baz=180	5.54 360 P Pn	18 52 57.9 +1.2
N25K	Chitina, Valde	5.60 54 Pn	18 52 57.7 +0.2
N25K	Chitina, Valde baz=242,SNR=18	5.60 54 P Pn	18 52 58.0 +0.4
J16K	North Star River baz=143	5.62 329 P Pn	18 52 59.0 +1.2
BPWA	Bear Paw Mtn. baz=197,SNR=19	5.67 14 P Pn	18 52 59.7 +1.3
MCK	McKivier baz=208,SNR=11	5.67 24 P Pn	18 52 59.6 +1.1
HARP	HAARP baz=233,SNR=19	5.80 46 P Pn	18 53 01.0 +0.9
SNH	Sunshine Point PAX	5.95 70 P Pn	18 53 03.0 +0.7
PAX	Paxon baz=228,SNR=24	6.05 41 P Pn	18 53 04.3 +0.6
I17K	Unalakleet	6.14 332 P Pn	18 53 06.0 +1.3
I17K	Unalakleet baz=146,SNR=88	6.14 332 P Pn	18 53 06.3 +1.6
I20K	Naaghdeneel baz=178	6.17 358 P Pn	18 53 06.3 +1.2
K13K	Kusivuk Mount baz=118	6.19 307 P Pn	18 53 06.8 +1.3
J14K	Nanarak Lak baz=128	6.20 316 P Pn	18 53 06.9 +1.4
GCSA	Galena City Sc baz=167	6.26 349 P Pn	18 53 06.6 +0.3
FALS	False Pass baz=50	6.38 237 P Pn	18 53 07.6 -0.5
M11K	Mekoryuk	6.40 291 P Pn	18 53 08.5 +0.2
M11K	Mekoryuk baz=101,SNR=9.2	6.40 291 P Pn	18 53 09.1 +0.9
NEA2	Nenana baz=195,SNR=36	6.42 20 P Pn	18 53 08.3 -0.4
K24K	Donnelly Dome	6.54 34 P Pn	18 53 11.9 +1.6
K24K	Donnelly Dome baz=221,SNR=16	6.54 34 P Pn	18 53 12.1 +1.8
I21K	Tanan baz=190	6.63 8 P Pn	18 53 12.4 +1.1
M26K	Nabesna, AK baz=240	6.64 51 P Pn	18 53 12.5 +0.8
MENT	Mentasta	6.65 45 P Pn	18 53 11.7 -0.1
MENT	Mentasta baz=185,SNR=12	6.65 45 P Pn	18 53 13.3 +1.5
HDA	Harding Lake	6.71 28 P Pn	18 53 12.6 +0.1
HDA	Harding Lake baz=214,SNR=22	6.71 28 P Pn	18 53 13.0 +0.4
RIDG	Independent Ri baz=255,SNR=12	6.78 37 P Pn	18 53 14.5 +1.0
H18K	Honhosa River baz=161	6.83 345 P Pn	18 53 15.8 +1.7
L26K	Log Cabin Wild baz=225,SNR=36	6.84 46 P Pn	18 53 15.7 +1.4
H20K	Anotleneega Mo baz=177	6.88 357 P Pn	18 53 16.0 +1.2
H17K	Granite Mounta baz=152	6.88 339 P Pn	18 53 16.7 +1.9
I23K	Minto, Yukon-K	6.89 17 P Pn	18 53 15.2 +0.2
I23K	Minto, Yukon-K baz=201	6.89 17 P Pn	18 53 15.8 +0.8
COLA	College	6.91 23 P Pn	18 53 14.8 -0.4
COLA	College baz=185,SNR=12	6.91 23 P Pn	18 53 16.0 +0.8
COLA	College	6.91 23 P Pn	18 53 16.7 +1.5
H19K	Dot Lake	6.97 40 P Pn	18 53 16.7 +0.6
H19K	Roundabout Mou baz=170,SNR=59	6.99 352 P Pn	18 53 17.3 +1.0
IL31	IL31	7.03 26 Pn	18 53 16.2 -0.6
ILAR	Eielson Array comp=N,6.6nm,0.5s,baz=216,slow=13,SNR=95	7.03 26 P Sn	18 53 15.0 -1.8
ILAR	comp=N,26nm,0.7s,baz=209,slow=18,SNR=7.6	7.03 26 P Sn	18 54 31.5 -3.6
ILAR	comp=N,26nm,0.7s,baz=209,slow=18,SNR=7.6	7.03 26 P Sn	18 54 31.5 -3.6
ILAR	comp=N,26nm,0.7s,baz=209,slow=18,SNR=7.6	7.03 26 P Sn	18 54 31.5 -3.6
H21K	Melozitna River baz=186	7.06 4 P Pn	18 53 18.8 +1.5
M27K	Edge Creek, AK baz=244	7.08 53 P Pn	18 53 18.5 +0.7
H16K	Elim	7.14 331 P Pn	18 53 19.8 +1.4
H16K	Elim baz=144,SNR=90	7.14 331 P Pn	18 53 19.9 +1.5
POKR	Poker Plat Res baz=209	7.21 23 P Pn	18 53 18.5 -0.8
SCRK	Sand Creek baz=222	7.22 38 P Pn	18 53 19.7 +0.1
PINM	Pinnacle baz=264,SNR=29	7.22 73 P Pn	18 53 19.9 +0.3
J25K	Salcha River, baz=218	7.28 31 P Pn	18 53 21.2 +0.9
O28M	Moose Upton baz=259,SNR=75	7.35 67 P Pn	18 53 22.2 +0.7
IMAR	Indian Mountai	7.36 1 P Pn	18 53 21.8 +0.4
H22K	Ishaitaina Cre baz=191	7.38 9 P Pn	18 53 22.4 +0.8
L27K	Beaver Creek, baz=239	7.44 48 P Pn	18 53 23.7 +1.2
BCAR	Beaver Creek A	7.46 48 P Pn	18 53 23.4 +0.6
YUK3	Moose Creek baz=181,SNR=16	7.48 59 P Pn	18 53 24.3 +1.1
G17K	Kiwalik Mounta baz=153	7.53 339 P Pn	18 53 25.1 +1.5
BVCY	Beaver Creek baz=246	7.54 54 P Pn	18 53 24.7 +0.9
G18K	Tagawik baz=182,SNR=83	7.57 346 P Pn	18 53 25.6 +1.3
G19K	Purcell Mounta baz=168	7.64 351 P Pn	18 53 26.0 +0.7
YUK8	Steele Glacier baz=256,SNR=38	7.66 64 P Pn	18 53 27.1 +1.3
J26L	Joseph Creek baz=225	7.72 36 P Pn	18 53 27.0 +0.7
H24K	Noodor Dome baz=202	7.77 19 P Pn	18 53 27.1 +0.2
G16K	Koyuk River baz=147	7.79 334 P Pn	18 53 29.3 +2.1
G21K	Allakaket baz=182	7.90 2 P Pn	18 53 29.9 +1.2
G15K	Niukuk baz=139	7.90 328 P Pn	18 53 30.7 +2.0
PRP	Porcupine Dome baz=214	7.97 27 P Pn	18 53 30.5 +0.7
ANM	Nome baz=133,SNR=34	7.99 323 P Pn	18 53 32.1 +2.1
O29M	Mount Kennedy baz=265	8.08 72 P Pn	18 53 32.2 +0.9
YUK4	Talbot Arm baz=267,SNR=21	8.20 64 P Pn	18 53 35.0 +2.0
YUK6	Outpost Mounta baz=260,SNR=12	8.26 67 P Pn	18 53 34.8 +0.9
G23K	Bananza Creek baz=195	8.30 11 P Pn	18 53 34.3 +0.1
F18K	Selawik baz=160,SNR=24	8.37 345 P Pn	18 53 35.8 +0.7
F19K	Shalercuk Mo baz=167	8.38 350 P Pn	18 53 36.1 +0.9
G22K	Ottelles baz=189	8.38 7 P Pn	18 53 36.3 +1.0
UNV	Unalaska Valle baz=50	8.41 240 P Pn	18 53 34.9 -0.8
I26K	Coal Creek Min	8.42 33 P Pn	18 53 35.9 +0.1
I26K	Coal Creek Min baz=222,SNR=7.9	8.42 33 P Pn	18 53 36.4 +0.6
F20K	Avaraut Lake baz=177	8.46 356 P Pn	18 53 36.7 +0.4
P29M	Wine Craggy baz=270	8.47 76 P Pn	18 53 36.0 -0.5
F17K	Baldwin Pennin baz=154	8.48 340 P Pn	18 53 37.6 +1.1
YUK5	Granite Creek M29M	8.53 66 P Pn	18 53 38.3 +0.8
M29M	Somme Creek baz=250	8.59 57 P Pn	18 53 39.3 +1.1
F21K	Alatina River baz=182	8.61 2 P Pn	18 53 39.6 +1.2
F15K	North Star Dit F15K	8.62 330 P Pn	18 53 40.5 +2.0
F15K	North Star Dit baz=140,SNR=64	8.62 330 P Pn	18 53 40.6 +2.2
G24K	Hadweencic Riv baz=204	8.63 18 P Pn	18 53 37.9 -0.7
HYT	Haines Junctio baz=262	8.66 68 P Pn	18 53 39.8 +0.6
EGAK	Eagle	8.68 40 P Pn	18 53 39.2 0.0
EGAK	Eagle baz=231	8.68 40 P Pn	18 53 40.2 +0.9
SPIA	Saint Paul Isl	8.72 267 P Pn	18 53 40.1 +0.2

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baz=74	COLD Coldfoot baz=193,SNR=15	8.79 10 P Pn	18 53 40.5 -0.3
P30M	Million Dollar baz=180	8.87 73 P Pn	18 53 43.9 +1.9
DAWY	Dawson	8.89 46 P Pn	18 53 42.8 +0.5
DAWY	Dawson baz=239,SNR=11	8.89 46 P Pn	18 53 43.2 +0.9
F14K	Arctic Creek F14K	8.92 325 P Pn	18 53 44.3 +1.8
F14K	Arctic Creek baz=135,SNR=18	8.92 325 P Pn	18 53 44.8 +2.3
G25K	Bearman Lake baz=208	8.92 21 P Pn	18 53 42.4 -0.2
F22K	John River baz=186	8.93 5 P Pn	18 53 44.1 +1.4
E19K	Redstone River baz=170	8.95 352 P Pn	18 53 44.9 +1.9
N30M	Aishkik Lake N30M	8.96 64 P Pn	18 53 43.1 0.0
N30M	Aishkik Lake baz=259,SNR=16	8.96 64 P Pn	18 53 43.3 +0.2
L29M	L29M baz=247	8.97 53 P Pn	18 53 44.2 +1.0
I27K	Kandik River baz=226	9.08 35 P Pn	18 53 45.1 +0.3
E17K	Hotham Inlet baz=154,SNR=34	9.16 341 P Pn	18 53 46.7 +1.0
PLBC	Pleasant Camp baz=272,SNR=9.4	9.17 77 P Pn	18 53 47.0 +0.9
E18K	Tukpahleark C baz=158,SNR=51	9.22 344 P Pn	18 53 48.6 +1.

MASBT	Mashibuluo	0.41 230	IP	Pg	19 46 19.3	-0.7	PNG		S	Sn	19 46 57.4	-0.5	KRX	Arik	4.40 251	PN	Pn	20 08 25.2	+0.8	
MASBT			S	Pg	19 46 24.3	-1.2	NSY	Sanyi	1.54 353	ep	Pg	19 46 41.6	+0.1	KRX	Arik	4.40 251	ep	Pn	20 08 25.3	+0.8
SGST	Jiashian	0.41 299	IP	Pg	19 46 19.1	-0.9	NNSB	Datong	1.59 14	ep	Pg	19 46 40.5	-0.9	KRX				Sn	20 09 13.4	-1.7
CHKT	Chengkung	0.42 59	IP	Sb	19 46 26.2	-1.5	NNSB			ep	Sn	19 47 00.4	-0.4	KOK	Koryaka	4.43 250	PN	Pn	20 08 25.7	+0.9
SKT			S	Pb	19 46 20.8	-0.6	NNS	Nan Shan	1.60 13	ep	Pb	19 46 40.9	-0.6	KOK	Koryaka	4.43 250	ep	Pn	20 08 25.8	+0.9
FULB	Fuli	0.43 43	IP	Pg	19 46 22.2	+0.4	ENA	Wuta	1.69 9	ep	Pg	19 46 41.7	+0.2	DALK	Dalny	4.49 247	PN	Pn	20 08 25.7	+0.2
FULB			S	Pb	19 46 20.0	0.0	EWUT	Wutu	1.72 25	ep	Pb	19 46 42.9	-0.8	DALK	Dalny	4.49 247	ep	Pn	20 08 25.8	+0.2
SCST	Cishan	0.45 271	IP	Pb	19 46 26.9	-1.3	LATG	Datong	1.72 17	ep	Pb	19 46 43.2	-0.5	DALK				Sn	20 09 13.3	-3.7
SCST			S	Pb	19 46 20.8	-1.0	LATG			ep	Sn	19 47 04.7	+0.5	OSSR	Ossora	4.50 343	PN	Pn	20 08 25.4	-0.2
SGLT	Jiouru	0.47 251	IP	Pb	19 46 26.8	-1.0	NSIT	Nanjuang	1.74 1	ep	Pb	19 46 43.6	-0.4	OSSR				Sn	20 08 25.5	-0.2
WTP	Ta-pu	0.49 318	IP	Pb	19 46 21.6	-0.7	NSIT			ep	Sn	19 47 07.8	-0.2	OSSR				Sn	20 08 25.6	-0.7
CHKH	Chenggong	0.50 51	IP	Pb	19 46 21.9	-0.8	EOSA	EOSA	1.75 45	ep	Sn	19 47 02.5	-1.5	PET	Petropavlovsk	4.54 247	ep	Pn	20 08 26.4	+0.1
CHKH			S	Pb	19 46 29.0	-1.1	NFF	Wufeng Townshi	1.75 4	ep	Sn	19 46 44.7	-0.8	PET				Sn	20 08 26.4	+0.1
CHKH	Ludao	0.50 114	IP	Pb	19 46 21.7	-1.0	NFF			S	Pg	19 47 08.7	+0.5	PET	comp=Z,200nm,0.4s			Sn	20 08 26.9	+0.6
LDUT			S	Pb	19 46 30.1	0.0	LIOB	Emei	1.76 1	P	Pg	19 46 44.9	-0.7	PET	Petropavlovsk	4.54 247	ep	Pn	20 09 15.7	-2.8
LDUT			S	Pb	19 46 22.2	+0.5	LIOB			ep	Sn	19 47 06.5	+0.1	GNL	Galny	4.67 257	PN	Pn	20 08 29.4	+1.4
EAST	Anshuo	0.51 194	IP	Pg	19 46 20.7	+0.7	YHNB	Yeheng	1.82 12	ep	Pg	19 46 44.1	-1.2	GNL	Galny	4.67 257	ep	Pn	20 08 29.5	+1.4
EAST			S	Pg	19 46 21.5	-0.3	YHNB			ep	Pb	19 47 09.6	-0.8	GNL	Galny	4.67 257	ep	Pn	20 08 29.1	+0.7
CHN1	Nanshi	0.51 306	IP	Pg	19 46 28.0	-0.4	NSK	Sanguang	1.82 11	ep	Pb	19 46 44.3	-1.1	KRMR	Karymshinskiy	4.92 247	PN	Pn	20 08 32.1	+0.7
CHN1			S	Pg	19 46 22.5	-0.5	ENTT	Nioudou	1.83 17	ep	Pb	19 46 44.7	-0.8	KRMR	Karymshinskiy	4.92 247	ep	Pn	20 08 32.1	+0.7
TWM1	Shoushan	0.51 264	IP	Pb	19 46 29.7	-0.8	EOS3	EOS3	1.86 41	ep	Pb	19 46 43.0	-0.7	RUS	Russkaya	4.92 242	PN	Pn	20 08 31.6	+0.3
TWM1			S	Pb	19 46 22.7	-0.3	EOS3			ep	Sn	19 47 06.8	-0.5	RUS	Russkaya	4.92 242	ep	Pn	20 08 31.8	+0.3
TAW	Tawu	0.52 188	IP	Pg	19 46 29.4	-1.1	NDS	Dongshan	1.87 21	ep	Pg	19 46 46.5	-1.3	RUS	Russkaya	4.92 242	ep	Pn	20 08 31.8	+0.3
TAW			S	Pg	19 46 21.8	-0.3	KSHI	Guanxi Townshi	1.90 5	ep	Pg	19 46 46.3	-0.3	RUS				Sn	20 09 23.9	-3.9
TPUB	Ta-pu	0.53 323	IP	Pg	19 46 28.6	-0.4	TWC	Suao	1.90 25	ep	Pb	19 46 45.8	-0.8	PEAOB	Petropavlovsk	5.02 251	PN	Pn	20 08 34.0	+1.1
TPUB			S	Pg	19 46 22.5	-0.7	EOS2	EOS2	1.92 37	ep	Pb	19 46 42.9	-1.5	PEAOB	Petropavlovsk	5.02 251	PN	Pn	20 08 34.0	+1.1
TAWH	Dawu Township	0.54 189	IP	Pb	19 46 30.4	-0.4	TWE	Weicheng	1.94 19	ep	Pb	19 46 46.5	-0.7	PETK	comp=Z,39m,0.3s,baz=78,slow=19,SNR=55			Sn	20 08 33.2	+0.4
TAWH			S	Pg	19 46 29.2	-0.4	NWT	Waihai	1.95 14	ep	Pb	19 46 46.6	-0.9	PETK				Sn	20 09 30.7	+0.5
SNST	Tainan City	0.56 308	IP	Pb	19 46 29.2	-0.4	FUSB	Fushanzhiyuyua	1.95 17	ep	Pb	19 46 45.2	+0.1	PETK	comp=Z,5.7nm,0.3s,baz=33,slow=4.1,SNR=4.9			Sn	20 09 56.1	
SNST			S	Pb	19 46 23.8	+0.1	FUSB			ep	Sb	19 47 11.6	-0.5	PETK				Sn	20 09 56.1	
YULB	Yuli	0.56 32	IP	Pg	19 46 22.0	-0.7	YMO1	YMO1	2.32 13	ep	Pb	19 46 52.7	-1.2	MTVR	Mutnovka	5.07 243	PN	Pn	20 08 34.3	+0.7
YULB			S	Pg	19 46 28.5	-1.5	ZUZH	Zhuzhiu	2.33 13	ep	Pb	19 46 52.8	-1.2	MTVR	Mutnovka	5.07 243	ep	Pn	20 08 34.3	+0.7
YULB			S	Pg	19 46 27.7	-0.5	SMH	Grass Mountain	2.35 20	ep	Pb	19 46 52.9	-1.6	MTVR				Sn	20 08 28.6	-2.9
CHN4	Tsashan	0.59 323	IP	Pg	19 46 29.5	-0.8	YOJ	Yongunji jima	2.44 49	ep	Pb	19 46 50.5	-1.3	MTVR				Sn	20 08 35.0	+1.2
CHN4			S	Pb	19 46 23.8	+0.5	PTMZ	Houxiangcun	2.74 322	ep	Pn	19 46 56.3	+0.4	GRL	Gorelyy	5.08 245	PN	Pn	20 09 32.0	-1.8
YULB	Yuli	0.59 301	IP	Pg	19 46 32.3	+0.4	KNM	Kinmen	2.79 304	ep	Pn	19 46 55.2	+1.6	GRL	Gorelyy	5.08 245	ep	Pn	20 09 32.0	-1.8
YULB			S	Pg	19 46 22.4	-1.0	KNMB	Chin-men Tao	2.85 304	ep	Pn	19 46 57.5	+0.1	GRL				Sn	20 08 39.9	+2.0
YULB			S	Pg	19 46 30.2	-0.9	ZOLA	Xu Xicun	3.14 290	ep	Pn	19 47 01.4	0.0	APC	Apacha	5.39 251	PN	Pn	20 08 39.9	+2.0
YULB			S	Pg	19 46 30.0	-0.2	ZOLA			ep	Pn	19 47 01.4	0.0	APC	Apacha	5.39 251	ep	Pn	20 08 39.9	+2.0
CHN3	Shinhua	0.60 284	IP	Pn	19 46 25.6	-0.8	DXSP	Dongshan	3.37 295	ep	Pn	19 47 05.0	+0.1	APC				Sn	20 09 38.9	-0.5
CHN3			S	Pn	19 46 26.0	-0.4	MATS	Ma-tsu	3.39 344	ep	Pn	19 47 05.0	+0.1	APC				Sn	20 08 40.7	+1.5
SHHT	Tainan City	0.62 289	IP	Pn	19 46 23.0	-0.6	AXPD	Jialiang	3.41 307	ep	Pn	19 47 05.1	0.0	APC				Sn	20 08 40.7	+1.5
SHHT			S	Pn	19 46 21.0	-0.5	MHZO	Yeshan	3.66 331	ep	Pn	19 47 08.8	+0.2	TILKI	Tilichiki	5.49 3	PN	Pn	20 08 39.4	-0.1
SCZT	Fangliu	0.60 213	IP	Pn	19 46 23.0	-0.6	XPSS	Dashiqu	4.10 350	ep	Pn	19 47 12.9	-1.6	TILKI	Khodutka, Kamc	5.51 238	PN	Pn	20 08 39.4	-0.1
SCZT			S	Pn	19 46 23.7	-0.1	SXFK	Yanhouchang	4.63 320	ep	Pn	19 47 21.0	-1.0	KDTR	Khodutka, Kamc	5.51 238	ep	Pn	20 08 39.5	-0.4
ECBN	Changbin	0.62 45	IP	Pn	19 46 23.5	-0.1	JNF	Jiansu	13.43 38	LR	LR	19 55 29.3		KDTR				Sn	20 08 41.2	+1.6
ECBN			S	Pn	19 46 24.1	-0.4	KSR5	Korea Arr	15.71 21	LR	LR	19 56 19.0		SHEM	Shemys Is, Ala	5.51 111	PN	Pn	20 09 43.5	+1.2
ALS	Alishan	0.65 346	IP	Pb	19 46 34.8	+0.1	KSR5			ep	Sn	19 50 50.8	+2.2	SHEM	comp=Z,7.5nm,0.3s,baz=46,slow=8,SNR=5.8			Sn	20 10 21.7	
ALS			S	Pb	19 46 34.8	+0.1	WCKO	Fanlu	0.65 329	ep	Pb	19 50 20.6		SHEM	comp=Z,1.8nm,0.3s,baz=69,slow=20,SNR=1.7			Sn	20 10 21.7	
WCKO	Fanlu	0.65 329	IP	Pb	19 46 34.8	+0.1	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,33nm,21.5s,baz=314,slow=32			Sn	20 10 21.7	
WCKO			S	Pb	19 46 34.7	+0.1	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
SSHA	Shanhua	0.68 292	IP	Pn	19 46 24.6	-0.8	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
SSHA			S	Pn	19 46 24.6	-0.8	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
EHY	Hungye	0.70 27	IP	Pg	19 46 33.6	-1.0	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
EHY			S	Pg	19 46 33.6	-1.0	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
EHYH	Wanrong	0.70 29	P	Pg	19 46 24.6	-0.8	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
EHYH			S	Pg	19 46 33.6	-1.0	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
WSSB	Gushan	0.70 250	IP	Pn	19 46 26.9	-1.0	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
WSSB			S	Pn	19 46 27.9	-0.6	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
TAL	Tainan	0.73 279	IP	Pn	19 46 25.9	-0.9	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
TAL			S	Pn	19 46 25.9	-0.9	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
HGSD	Ruisui	0.74 34	IP	Pb	19 46 36.7	-0.2	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
HGSD			S	Pb	19 46 26.7	-0.7	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
CHNS	Tsauling	0.77 339	IP	Pb	19 46 37.5	-0.3	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
CHNS			S	Pb	19 46 37.5	-0.3	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
CHNS			S	Pn	19 46 28.0	-0.5	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
SCLT	Jiali	0.78 292	IP	Pn	19 46 42.0	+1.3	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
SCLT			S	Pn	19 46 42.0	+1.3	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
CHN2	Minshiang	0.80 325	IP	Pn	19 46 29.1	-0.1	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm,0.8s			Sn	20 10 21.7	
CHN2			S	Pn	19 46 41.5	+0.4	WCKO			ep	Pb	19 50 20.6		SHEM	comp=Z,35nm					

3d 20h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like H1S2 WAKE ISLAND, SONMI Songino Array, HHC Hu-ho-hao-te, etc.

Station Name Azimuth Elevation SNR...
IDC 03 20:13:17.2±1.1, 8°S 5°12'3E, h213km, 15km, M3, 4.7, MLV3, 4.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MMRI Maumere, SOEI Soe, BATI Baumata, etc.

IDC 03 20:38:52.6±0.9, 12°83S×45°46E, h0km, mb3.9/13, mbmp4.0/15, ML4, 3/3, MS3.3, Error ellipse: s-maj=24.3km s-min=19.6km az=105.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like OPO Ambohitratompo, ABPO Ambohimpanon, etc.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LBTB Lobatse, BOSHA Boshof, TSMU Tsumbe, etc.

NEIC 03 20:42:45.3±1.5, 30°AN, 0°1'138"E, 0.1, h451km, 5km, mb4.0/50, Error ellipse: s-maj=16.1km s-min=12.7km az=180.0

IDC 03 20:42:45.5±1.4, 30°50N, 138°22E, h462km, 16km, mb3.3/15, mbmp4.2/20, Error ellipse: s-maj=15.0km s-min=9.6km az=90.0

JMA 03 20:42:45.4±0.5, 31°N, 3°13'E, h470km, MV3.8/67, NEAR TORISHIMA IS

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JHCJ Hachiojijimakas, JHJ2 Mitsune, etc.

NEIC 03 20:43:36.8±0.5, 37°34N, 0°01'104.60W, 0.02, h7km, 5km, ML1.6/14, Error ellipse: s-maj=3.2km s-min=1.5km az=59.0, Colorado

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MAJO Matsushiro, MJB9 Matsu-Tunnel, etc.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PRZ Przheval'sk, WARB Taragay, WRAB Tennant Creek, etc.

NEIC 03 20:45:57.9, 24°40N, 121°70E, h21km, 1km, ML1.2, B, az=59.0, Colorado

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like T25A Trinidad, T25B Trinidad, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like FUSHU, WHF, TIPB, SHUL, TWB1.

JMA 03 20:46:14.7±1.1, 49°14'±15.4E±1.1, h0km, MV5.4/19, FAR FIELD
BGR 03 20:46:15.8, 49°17'±15.3E±1.1, h33km, mb5.5
BUJ 03 20:46:15.6, 48°18'±15.3E±1.1, h123km, mb5.2/50, mb5.4/89

SKHL 03 20:46:17.8±0.3, 48°16'±15.4E±1.1, h133km, 6km, mb5.8/13, mb6.0/6, msh5.7/4, msh6.2/9
MOS 03 20:46:17.9±1.0, 48°19'±15.3E±1.1, h130km, mb5.0/125, Error ellipse: s-maj=5.7km s-min=3.6km az=75.0

IDC 03 20:46:17.9±0.4, 48°18'±15.3E±1.1, h111km, 2km, mb4.7/33, mb1mp±3.4km, MS3.9/52, Error ellipse: s-maj=9.6km s-min=7.3km az=132.0

KRSC 03 20:46:17.3±3.0, 48°17'±15.4E±1.1, h162km, 31km, M15.5, NEIC 03 20:46:19.5±1.7, 48°18'±15.3E±1.1, h123km, 5km, mb5.2/338, Error ellipse: s-maj=14.7km s-min=11.6km az=131.0

GCMT 03 20:46:19.5±0.1, 48°17'±15.4E±1.1, h17km, 1km, MV5.3/146, Moment Tensor Solution. s112,c188; s146,c264; Duration: 160 Moment tensor: Scale 1017Nm; Mir-0.16e; Mrr-0.08e; Mtt-0.08e; Mtr-0.59e; Mtr-0.21e; Mtr-0.82e; Mtr-0.1e; Best double couple: Mb 1.01100e-017; N1P1=132.00000°, 65.00000°, 1-171.00000°; N1P2=34.00000°, 869.00000°; 1-85.00000°; Principal axes: T 0.8690, Plg44.0000°, Azm119.0000°; N 0.2830, Plg5.0000°, Azm214.0000°; P -1.1520, Plg46.0000°, Azm308.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 03 20:46:17.8±0.3, 48°18'±15.3E±1.1, h115km, 1km, h114km: pP, n1287, r1954/1314, mb5.2/431, 82C-44D, Kuril Islands

Main station data table for stations A-Z. Columns include Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate.

Main station data table for stations N-Z. Columns include Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate.

Main station data table for stations J-R. Columns include Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate.

3d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like M20K Styx River, BPBW Bear Paw Mtn, BPAW Bear Paw Mtn, CCB Clear Creek Bu, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like O17K Koliganek Bris, P17K Klichak Hill, P30M Million Dollar, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GERES, GERES, WET Wetzell, LANS Liptovska Anna, etc.

3d 20h

MK31	Makanchi Array	58.94 325	P	P	21 08 55.5	0.0
MK31			I Amb	I Amb	21 08 57.9	
comp=Z,15nm,0.5s						
MK31	Makanchi Array	58.94 325	eP	P	21 08 56.2	+0.7
MKAR	Makanchi Array	58.94 325	P	P	21 08 55.9	+0.4
comp=Z,24nm,0.4s,baz=119,slow=7.9,SNR=238			LR	LR		
MKAR					21 36 27.4	
comp=Z,122nm,19.0s,baz=90,slow=38						
UZB	Uzynbulak	58.97 320	eP	P	21 08 55.9	0.0
UZB			pmax	pmax		
comp=Z,6.0nm,0.6s						
UZB	Uzynbulak	58.97 320	eP	P	21 08 55.9	0.0
comp=Z,6.0nm,0.6s						
PRZ	Przheval'sk	59.05 320	P	P	21 08 58.4	+1.9
PRZ			pmax	pmax		
comp=Z,28nm,0.6s						
MAKZ	Makanchi	59.12 325	P	P	21 08 57.0	+0.2
MAKZ	Makanchi	59.12 325	P	P	21 08 57.0	+0.2
comp=Z,24nm,0.5s			e	pmax		
MAKZ	Makanchi	59.12 325	P	P	21 08 57.3	+0.5
MAKZ			P	P	21 09 44.7	-0.1
MAKZ			P	P	21 08 57.2	0.0
NIL	Nilore	59.14 308	I Amb	I Amb	21 09 16.1	
NIL						
comp=Z,41nm,1.4s						
NIL	Nilore	59.14 308	P	P	21 08 57.6	+0.5
NIL	Nilore	59.14 308	P	P	21 08 57.2	0.0
NIL			pmax	pmax		
comp=Z,41nm,1.5s						
SATY	Saty	59.32 320	eP	P	21 08 58.5	+0.2
SATY			pmax	pmax		
comp=Z,8.0nm,0.6s						
SATY	Saty	59.32 320	eP	P	21 08 58.6	+0.2
comp=Z,7.7nm,0.6s						
KPKS	Kokpek	59.34 321	eP	P	21 08 58.4	0.0
KPKS			pmax	pmax		
comp=Z,5.0nm,0.7s						
KPKS	Kokpek	59.34 321	eP	P	21 08 58.4	0.0
comp=Z,5.5nm,0.7s						
KSH	Kashi	59.34 315	P	P	21 09 00.1	+1.5
KSH			pP	pP	21 09 16.4	+0.7
KSH			pmax	pmax		
comp=Z,2.0nm,0.6s						
YAK	Yakutsk	59.52 1	P	P	21 08 58.3	-0.8
YAK	Yakutsk	59.52 1	eP	P	21 08 58.5	-0.6
YAK			e	pP	21 09 13.9	-2.4
YAK			e	pP	21 09 44.9	
YAK			e	pP	21 11 06.9	
YAK			eS	S	21 17 04.1	+0.7
YAK			eSS	SS	21 17 32.9	+0.4
YAK			e	SS	21 18 42.7	
YAK			eSS	SS	21 20 58.6	-1.2
comp=Z,60nm,1.0s						
YAK			pmax	pmax		
comp=N,20nm,1.1s						
YAK			pmax	pmax		
comp=E,6.0nm,1.3s						
YAK			pmax	pmax		
comp=Z,151nm,5.9s						
YAK			pmax	pmax		
comp=N,124nm,4.4s						
YAK			pmax	pmax		
comp=E,107nm,4.0s						
YAK			pmax	smax		
comp=E,81nm,3.2s						
YAK			pmax	smax		
comp=N,35nm,2.7s						
KDJ	Kajisay	59.68 319	P	P	21 09 01.3	+0.4
KDJ	Kajisay	59.68 319	P	P	21 09 01.3	+0.4
comp=Z,9.0nm,0.8s						
MA2	Magadan	59.87 14	P	P	21 09 02.3	+0.6
MA2			I Amb	I Amb	21 09 03.6	
comp=Z,26nm,1.3s						
MA2	Magadan	59.87 14	eP	P	21 08 59.9	-1.7
MA2			pmax	pmax		
comp=Z,9.0nm,0.9s						
MA2	Magadan	59.87 14	P	P	21 09 02.5	+0.9
comp=Z,15nm,0.8s						
MDOK	Medeo	60.24 320	eP	P	21 09 04.9	+0.2
MDOK	Medeo	60.24 320	eP	P	21 09 05.0	+0.2
TNSS	Tian-Shan	60.25 319	eP	P	21 09 05.0	-0.1
TNSS	Tian-Shan	60.25 319	eP	P	21 09 05.0	-0.1
TDK	Taldyqorghan	60.28 322	eP	P	21 09 04.9	+0.2
TDK			pmax	pmax		
comp=Z,9.0nm,0.7s						
TDK	Taldyqorghan	60.28 322	eP	P	21 09 04.9	+0.2
comp=Z,8.8nm,0.7s						
AAA	Alma-Ata	60.35 320	eP	P	21 09 05.4	+0.1
AAA			pmax	pmax		
comp=Z,7.0nm,0.5s						
AAA	Alma-Ata	60.35 320	eP	P	21 09 05.4	+0.1
comp=Z,7.0nm,0.5s						
TKM2	Tokmak 2	61.08 319	iP	P	21 09 11.2	+0.7
TKM2			pmax	pmax		
comp=Z,6.0nm,0.6s						
URZ	Urewera	61.23 137	LR	LR	21 36 13.0	
comp=Z,265nm,18.8s,baz=46,slow=36						
AAK	Ala-Archa	61.69 318	LR	LR	21 38 52.9	
comp=Z,7.9nm,21.4s,baz=87,slow=39						
AAK	Ala-Archa	61.69 318	iP	P	21 09 15.1	+0.6
AAK			pmax	pmax		
comp=Z,4.0nm,0.7s						
SGDS	Sogindy	61.95 319	eP	P	21 09 16.0	-0.1
SGDS	Sogindy	61.95 319	eP	P	21 09 16.0	-0.1
ZALV	Zalesovo Beam	62.00 333	P	P	21 09 15.9	-0.3
comp=Z,11nm,0.4s,baz=116,slow=6.8,SNR=79			LR	LR		
ZALV					21 37 55.1	
comp=Z,80nm,20.7s,baz=112,slow=38						
KBL	Kabul	62.74 308	P	P	21 09 21.4	-0.4
KBL	Kabul	62.74 308	P	P	21 09 22.0	+0.2
comp=Z,11nm,0.4s						
KBL			pmax	pmax		
comp=Z,11nm,0.6s						
BTLS	Baital	63.02 320	eP	P	21 09 23.1	-0.1
BTLS	Baital	63.02 320	eP	P	21 09 23.1	-0.1
ARK	Arkit	63.06 316	P	P	21 09 25.0	+1.4
ARK			pmax	pmax		
comp=Z,28nm,0.7s						
KURB	Kurchatov A	63.13 328	P	P	21 09 24.1	+0.4
comp=Z,82nm,0.6s,baz=129,slow=6.1,SNR=812						
KURK	Kurchatov	63.13 328	P	P	21 09 24.1	+0.4
KURK	Kurchatov	63.13 328	eP	P	21 09 24.3	+0.6
comp=Z,82nm,0.6s						
KURK	Kurchatov	63.13 328	eP	P	21 09 24.4	+0.6
comp=Z,101nm,0.8s						
KURK	Kurchatov	63.13 328	P	P	21 09 24.4	+0.6
BTK	Batken	63.21 314	I Amb	I Amb	21 09 27.8	
comp=Z,11nm,0.5s						
BTK	Batken	63.21 314	P	P	21 09 25.6	+1.0
comp=Z,13nm,0.5s						
SEY	Seymchan	63.21 13	eP	P	21 09 24.8	+0.7
SEY			pmax	pmax		
comp=Z,40nm,1.7s						
DZA	Taraz	63.91 317	eP	P	21 09 29.0	-0.2
DZA	Taraz	63.91 317	eP	P	21 09 29.0	-0.2
CHGR	Chuyangaron	63.94 312	I Amb	I Amb	21 09 34.7	
comp=Z,29nm,0.6s						
CHGR	Chuyangaron	63.94 312	P	P	21 09 29.9	+0.4
comp=Z,29nm,0.5s						
SIMJ	Simiganj	64.05 312	P	P	21 09 31.1	+0.9
SIMJ			I Amb	I Amb	21 09 32.8	
comp=Z,11nm,0.6s						
SIMJ	Simiganj	64.05 312	P	P	21 09 31.3	+1.0
IUG	Iuzhnay	64.52 316	eP	P	21 09 33.4	+0.2
IUG			pmax	pmax		
comp=Z,5.0nm,0.4s						
IUG	Iuzhnay	64.52 316	eP	P	21 09 33.4	+0.2
comp=Z,4.8nm,0.4s						
BRLS	Boroday	64.98 317	eP	P	21 09 36.4	+0.3
BRLS			pmax	pmax		
comp=Z,4.0nm,0.5s						
BRLS	Boroday	64.98 317	eP	P	21 09 36.5	+0.3
comp=Z,4.3nm,0.5s						
OTUK	Ortayu	65.49 323	iP	P	21 09 39.5	+0.2
OTUK			pmax	pmax		
comp=Z,43nm,0.7s						
BRZS	Berezni	66.07 325	eP	P	21 09 43.2	+0.3
BRZS			pmax	pmax		
comp=Z,14nm,0.6s						
BRZS	Berezni	66.07 325	eP	P	21 09 43.3	+0.3

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comp=Z,14nm,0.6s						
BVAR	Borovoye Array	68.71 327	P	P	21 09 59.9	+0.3
comp=Z,35nm,0.7s,baz=128,slow=7.1,SNR=206						
BRVK	Borovoye	68.78 327	P	P	21 10 00.1	+0.1
BRVK	Borovoye	68.78 327	eP	P	21 10 00.4	+0.4
BRVK			pmax	pmax		
comp=Z,59nm,0.8s						
BRVK	Borovoye	68.78 327	P	P	21 10 00.5	+0.4
TIXI	Tiksi	69.16 1	I Amb	I Amb	21 10 01.7	+0.3
TIXI					21 10 03.2	
comp=Z,21nm,0.7s						
TIXI	Tiksi	69.16 1	eP	P	21 10 01.7	-0.3
TIXI			pmax	pmax		
comp=Z,39nm,1.3s						
TIXI	Tiksi	69.16 1	P	P	21 10 01.8	-0.2
WSAR	Wadi Sarin	69.42 294	P	P	21 10 05.1	+0.5
MHTO	MHTO	69.81 291	P	P	21 10 08.0	+1.1
comp=Z,16						
JMDO	Jabal Madar	69.81 293	P	P	21 10 07.7	+0.6
BIDO	Bidbid	69.91 294	P	P	21 10 07.6	0.0
SMDO	Samad	69.94 294	P	P	21 10 08.1	+0.2
DOM	DOM	70.11 290	P	P	21 10 09.3	+0.4
HOQ	Hoqain	70.67 295	P	P	21 10 13.0	+0.7
BSY	Bisy	70.68 293	P	P	21 10 12.7	+0.4
BILL	Biilbino	70.71 15	P	P	21 10 11.6	0.0
BILL	Biilbino	70.71 15	eP	P	21 10 12.2	+0.6
BILL			pmax	pmax		
comp=Z,12nm,2.5s						
ARQ	ARQ	71.36 294	P	P	21 10 16.5	0.0
SOHO	SOHO	71.43 295	P	P	21 10	

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Rows include stations like G21K Allakaket, PPLA Purkypile, B21K Ipkikpik River, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Rows include stations like F25K Christian River, E25K Arctic Village, HARP HARP, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Rows include stations like P33M Teslin, Yukon, TAOE Nuku Hiva Isla, AK09 Malin Array Si, etc.

NEIC 03 21:09:38.71.4, 7.63S:0.08, 119.42E:0.02, h275km, gkm, mb4.2/4, Error ellipse: s-maj=12.8km s-min=9.8km az=51.0

IDC 03 21:09:38.1±2.0, 7.64S: 119.36E, h276km±18km, mb3.4/9, mbmp4.1/13, Error ellipse: s-maj=52.9km s-min=10.1km az=60.0

DJA 03 21:09:39.5:0.6, 8.7S: 15°11'9"E, h269km±14km, M4.4/12, mb4.9/4, mb4.4/7, MLV4.5/12, Mw(mb)4.2/4

ISC 03 21:09:36.8:0.5, 7.58S:0.05, 119.54E:0.06, h250km, n85, f=180/89, mb4.1/18, Flores Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Rows include stations like WBSI Waikabubak, PLA1 Plampang, etc.

E09A	comp=Z,9.0nm,1.0s	63.57	329	P	P	21	22	16.8	+0.3
E09A	Wood Farm, Sta			I	Amb				
FFC	comp=Z,7.1nm,0.9s	63.76	344	P	P	21	22	17.1	-0.5
FFC	Flin Flon			P	P	21	22	17.2	-0.4
NEW	comp=Z,1.4nm,0.3s,comp=Z,1.4nm,0.3s,SNR=5.7	64.28	331	P	I	21	22	21.1	-0.1
NEW	Newport			I	Amb				
NEW	comp=Z,8.2nm,0.8s	64.28	331	P	P	21	22	20.9	-0.3
NEW	comp=Z,7.8nm,0.7s,baz=131,slow=7.7,SNR=12								
D08A	Wollman Farm,	64.33	329	P	P	21	22	21.9	+0.4
D08A				I	Amb				
E07A	comp=Z,10nm,1.2s	64.47	329	P	P	21	22	23.0	+0.5
E07A	Sunnyside			I	Amb				
HOOD	comp=Z,8.2nm,0.7s	64.63	327	P	P	21	22	24.3	+0.6
HOOD	Mount Hood Mea			I	Amb				
B08A	comp=Z,13nm,0.9s	65.41	330	P	P	21	22	28.4	-0.2
B08A	Colville Reser			I	Amb				
DBIC	comp=Z,6.9nm,0.8s	72.96	81	P	P	21	23	16.2	+0.2
DBIC	Dimbokro								
DBIC	comp=Z,10nm,0.9s,baz=240,slow=5.5,SNR=10								
DBIC	LR								
DBIC	comp=Z,9.9nm,1.9s,baz=12,slow=34								
DBIC	LR								
YKA	comp=Z,3.1nm,0.6s,baz=145,slow=6.0,SNR=54	73.87	343	P	P	21	23	19.9	-0.4
YKA	Yellowknife Ar								
TOAD	comp=Z,3.1nm,0.6s	74.97	336	P	P	21	23	27.7	+0.8
TOAD	Toad River Com								
DY2G	comp=Z,20nm,0.7s	75.36	12	i	P	21	23	28.2	-1.0
DY2G	Dye2			I	Amb				
T35M	comp=Z,7.3nm,1.0s	75.97	333	P	P	21	23	33.9	+1.3
T35M	Bob Quinn								
ISOG	comp=Z,6.7nm,1.3s	76.32	15	i	P	21	23	33.9	-0.5
ISOG	Isortoq, Green			I	Amb				
MORF	comp=Z,1.4nm,0.9s	76.47	50	e	P	21	23	36.7	+0.7
MORF	Marmelete			I	Amb				
MORF	comp=Z,1.4nm,0.9s	76.47	50	e	P	21	23	37.1	+1.2
MORF	Marmelete			I	Amb				
DLBC	comp=Z,7.3nm,1.0s	76.71	334	P	P	21	23	38.3	+1.4
DLBC	Dease Lake								
ANGG	comp=Z,20nm,0.7s	76.73	16	i	P	21	23	34.7	-1.9
ANGG	Ammassalik, Gr			I	Amb				
ILULI	comp=Z,303nm,1.8s	76.87	9	i	P	21	23	36.9	-0.5
ILULI	Ilulissat			I	Amb				
MESJ	comp=Z,7.3nm,1.0s	76.96	49	e	P	21	23	39.4	+0.8
MESJ	Messejana			I	Amb				
PCVE	comp=Z,20nm,1.3s	77.03	49	e	P	21	23	40.8	+1.7
PCVE	Castro Verde			I	Amb				
WRGLY	comp=Z,20nm,1.3s	77.20	340	P	P	21	23	40.1	+0.7
WRGLY	Wrigley			I	Amb				
WRGLY	comp=Z,20nm,1.3s	77.20	340	P	P	21	23	40.5	+1.1
WRGLY	Wrigley			I	Amb				
PMTG	comp=Z,17nm,1.1s	77.33	48	e	P	21	23	41.7	+1.0
PMTG	Montargil			I	Amb				
R33M	comp=Z,17nm,1.1s	77.66	335	P	P	21	23	42.8	+0.5
R33M	Jennings River			I	Amb				
R33M	comp=Z,17nm,1.1s	77.66	335	P	P	21	23	42.9	+0.7
R33M	Jennings River			I	Amb				
PTO	comp=Z,11nm,0.9s	77.72	46	e	P	21	23	41.1	-1.7
PTO	Porto			I	Amb				
PESTR	comp=Z,11nm,0.9s	77.74	48	e	P	21	23	44.7	+1.7
PESTR	Estremoz			I	Amb				
Q32M	comp=Z,11nm,0.9s	77.97	334	P	P	21	23	45.1	+1.0
Q32M	Nakina River			I	Amb				
UMMG	comp=Z,11nm,0.9s	78.04	8	i	P	21	23	43.6	-0.4
UMMG	Ummannaq			I	Amb				
PVIS	comp=Z,11nm,0.9s	78.09	46	e	P	21	23	45.5	+0.6
PVIS	Visu			I	Amb				
P32M	comp=Z,11nm,0.9s	78.09	46	e	P	21	23	47.0	+0.4
P32M	Lamas de Olo			I	Amb				
R32K	comp=Z,11nm,0.9s	78.61	333	P	P	21	23	48.7	+1.4
R32K	Eaglecrest			I	Amb				
MVO	comp=Z,11nm,0.9s	78.85	46	e	P	21	23	50.4	+1.2
MVO	Moncovo			I	Amb				
P33M	comp=Z,11nm,0.9s	78.89	335	P	P	21	23	50.4	+1.2
P33M	Teslin, Yukon			I	Amb				
P32M	comp=Z,11nm,0.9s	78.94	334	P	P	21	23	50.4	+1.2
P32M	Atin			I	Amb				
ICESG	comp=Z,11nm,0.9s	78.95	13	i	P	21	23	48.2	-1.2
ICESG	Greenland Ices			I	Amb				
ICESG	comp=Z,11nm,0.9s	78.95	13	i	P	21	23	51.6	
ICESG	Greenland Ices			I	Amb				
PBRG	comp=Z,42nm,1.2s	79.25	46	e	P	21	23	52.1	+0.8
PBRG	Braganca			I	Amb				
UPNV	comp=Z,5.1nm,0.9s	79.49	6	i	P	21	24	00.1	+1.2
UPNV	Upernavik			I	Amb				
SKAG	comp=Z,5.1nm,0.9s	79.58	334	P	P	21	23	53.8	+1.2
SKAG	Skagway			I	Amb				
SNAAR	comp=Z,5.1nm,0.9s	79.61	162	i	P	21	23	52.4	-0.3
SNAAR	Sanas			I	Amb				
FARO	comp=Z,5.1nm,0.9s	80.21	337	P	P	21	23	56.9	+0.9
FARO	Faro, Yukon			I	Amb				
TORD	comp=Z,4.2nm,0.5s,baz=283,slow=5.7,SNR=54	80.27	76	P	P	21	23	57.8	+0.5
TORD	Torodi Ar, Bea			I	Amb				
M31M	comp=Z,4.2nm,0.5s	80.61	336	P	P	21	23	59.3	+1.1
M31M	Drury Creek, Y			I	Amb				
ESDC	comp=Z,1.6nm,0.8s	80.67	48	P	P	21	23	58.5	-0.5
ESDC	Sonsecia Array			I	Amb				
ESDC	comp=Z,1.6nm,0.8s	80.67	48	P	P	21	23	58.5	-0.5
ESDC	Sonsecia Array			I	Amb				
N31M	comp=Z,1.6nm,0.8s	80.80	335	P	P	21	24	00.6	+1.4
N31M	Braeburn, Yuko			I	Amb				
HYT	comp=Z,1.6nm,0.8s	81.20	334	P	P	21	24	02.4	+0.9
HYT	Haines Junction			I	Amb				
TROLL	comp=Z,2.25nm,0.8s	81.32	162	i	P	21	24	02.4	+0.4
TROLL	Troll, Antartic			I	Amb				
N30M	comp=Z,2.25nm,0.8s	81.33	335	P	P	21	24	03.1	+1.0
N30M	Aishkik Lake			I	Amb				
YUK6	comp=Z,11nm,1.2s	81.63	334	P	P	21	24	04.4	+0.6
YUK6	Outpost Mounta			I	Amb				
YUK4	comp=Z,11nm,1.2s	81.94	335	P	P	21	24	05.2	+0.7
YUK4	Talbot Arm			I	Amb				
SUMG	comp=Z,14nm,1.0s	81.94	11	P	P	21	24	06.4	-0.9
SUMG	Summit			I	Amb				
SUMG	comp=Z,14nm,1.0s	81.94	11	i	P	21	24	07.2	
SUMG	Summit			I	Amb				
M29M	comp=Z,10nm,0.5s	82.37	336	P	P	21	24	08.5	+0.8
M29M	Somme Creek			I	Amb				
YUK8	comp=Z,10nm,0.5s	82.39	334	P	P	21	24	08.7	+0.8
YUK8	Steele Glacier			I	Amb				
H31M	comp=Z,10nm,0.5s	82.50	339	P	P	21	24	08.8	+0.7
H31M	Peel River			I	Amb				
L29M	comp=Z,10nm,0.5s	82.56	336	P	P	21	24	08.7	+0.2
L29M	L29M			I	Amb				
L29M	comp=Z,10nm,0.5s	82.56	336	P	P	21	24	09.5	+1.0
L29M	L29M			I	Amb				
J30M	comp=Z,10nm,0.5s	82.58	338	P	P	21	24	09.5	+0.9
J30M	Hart River			I	Amb				
K29M	comp=Z,10nm,0.5s	82.67	337	P	P	21	24	09.8	+0.6
K29M	Barlow Dome			I	Amb				
YUK3	comp=Z,10nm,0.5s	82.91	335	P	P	21	24	11.3	+0.8
YUK3	Moose Creek			I	Amb				
I30M	comp=Z,10nm,0.5s	82.93	339	P	P	21	24	11.0	+0.5
I30M	Mount Dempster			I	Amb				
F31M	comp=Z,10nm,0.5s	83.19	341	P	P	21	24	12.0	+0.5
F31M	Tsigheitchik			I	Amb				
BVCY	comp=Z,10nm,0.5s	83.36	335	P	P	21	24	13.0	+0.4
BVCY	Beaver Creek			I	Amb				
DAWY	comp=Z,10nm,0.5s	83.50	337	P	P	21	24	13.4	0.0
DAWY	Dawson			I	Amb				
A36M	comp=Z,10nm,0.5s	83.59	346	P	P	21	24	13.2	-0.3
A36M	Sachs Harbour			I	Amb				
INK	comp=Z,10nm,0.5s	83.59	342	P	P	21	24	14.0	+0.3
INK	Inuvik			I	Amb				
EPYK	comp=Z,10nm,0.5s	83.63	339	P	P	21	24	13.9	-0.1
EPYK	Eagle Plains			I	Amb				
M27K	comp=Z,10nm,0.5s	83.76	335	P	P	21	24	15.4	+0.6
M27K	Edge Creek, AK								

N18K	Kilae Creek	21.55	58	P	P	21 40 03.8	-0.5
N18K	comp=Z,304nm,1.8s					21 40 07.6	
N18K	Kilae Creek	21.55	58	P	P	21 40 04.2	-0.1
M18K	Stony River	21.57	56	P	P	21 40 04.8	+0.4
C19K	Lookout Ridge	21.57	35	P	P	21 40 04.3	-0.2
C19K	comp=Z,263nm,1.4s					21 40 09.8	
C19K	Lookout Ridge	21.57	35	P	P	21 40 04.6	+0.2
A19K	Wainwright	21.59	31	P	P	21 40 04.4	-0.1
H19K	Roundabout Mou	21.68	45	P	P	21 40 04.5	-0.9
H19K	comp=Z,246nm,1.2s					21 40 10.3	
H19K	Roundabout Mou	21.68	45	P	P	21 40 05.6	+0.1
ZEA	Zeya	21.73	283	eP	P	21 40 05.7	-0.5
ZEA	comp=E,10.0nm,0.9s					21 40 29.5	
ZEA	comp=Z,10.0nm,0.7s					21 43 57.7	-8.2
ZEA	comp=E,200nm,3.2s						
Q17K	Contact Creek	21.77	65	P	P	21 40 07.0	+0.3
J19K	Poomran	21.80	49	P	P	21 40 06.9	0.0
J19K	Poomran	21.80	49	P	P	21 40 06.7	-0.2
E19K	Redstone River	21.84	40	P	P	21 40 07.2	0.0
E19K	comp=Z,137nm,1.0s					21 40 12.1	
E19K	Redstone River	21.84	40	P	P	21 40 07.6	+0.4
D19K	Kuna River	21.85	37	P	P	21 40 06.5	-0.8
D19K	comp=Z,250nm,1.1s					21 40 07.0	-0.3
O18K	Koktuh Hills	21.94	60	P	P	21 40 07.6	-0.8
O18K	Koktuh Hills	21.94	60	P	P	21 40 08.2	-0.2
P18K	Big Mountain	21.97	62	P	P	21 40 08.4	-0.3
P18K	comp=Z,124nm,1.1s					21 40 12.9	
P18K	Big Mountain	21.97	62	P	P	21 40 08.3	-0.4
L19K	White Mountain	22.04	54	P	P	21 40 09.5	+0.1
L19K	comp=Z,187nm,1.4s					21 40 29.0	
L19K	White Mountain	22.04	54	P	P	21 40 09.6	+0.1
ACHA	Angle Creek He	22.07	65	P	P	21 40 09.1	-0.7
Q18K	Katmai Hardscr	22.17	64	P	P	21 40 11.3	+0.3
N19K	Bonanza Creek	22.24	58	P	P	21 40 11.9	+0.3
F20K	Avaraart Lake	22.29	41	I	Amb	21 40 15.5	
F20K	comp=Z,194nm,1.6s					21 40 11.8	-0.3
F20K	Avaraart Lake	22.29	41	P	P	21 40 11.8	-0.3
H20K	Anotienega Mo	22.32	45	P	P	21 40 12.4	0.0
O19K	Port Alsworth	22.36	59	P	P	21 40 12.6	-0.2
O19K	Port Alsworth	22.36	59	P	P	21 40 12.6	-0.2
CHIR	Chirikof Islan	22.38	71	P	P	21 40 10.8	-2.2
I20K	Naaghdeneel	22.39	47	P	P	21 40 13.0	-0.1
I20K	comp=Z,230nm,1.1s					21 40 16.5	
I20K	Naaghdeneel	22.39	47	P	P	21 40 12.8	-0.3
D20K	Etiwuk River	22.44	37	P	P	21 40 13.1	-0.6
K20K	Telida	22.44	51	P	P	21 40 13.7	0.0
K20K	comp=Z,183nm,1.3s					21 40 17.1	
K20K	Telida	22.44	51	P	P	21 40 13.5	-0.3
E20K	Nigu River	22.45	38	P	P	21 40 13.8	0.0
J20K	Nowinta River	22.47	49	P	P	21 40 13.7	-0.3
J20K	comp=Z,157nm,0.9s					21 40 17.2	
J20K	Nowinta River	22.47	49	P	P	21 40 13.5	-0.4
L20K	Forewell, AK	22.50	53	P	P	21 40 14.0	-0.4
R18K	Karuk	22.63	66	P	P	21 40 13.6	-2.1
B20K	Meade River	22.71	33	P	P	21 40 15.6	-0.9
B20K	comp=Z,83nm,0.8s					21 40 19.0	
B20K	Meade River	22.71	33	P	P	21 40 15.3	-1.2
TIXI	Tiksi	22.75	331	P	P	21 40 16.2	-0.6
TIXI	comp=Z,92nm,0.8s					21 40 20.0	
TIXI	Tiksi	22.75	331	LR	LR	21 49 40.5	
TIXI	comp=Z,727nm,19.2s					21 40 16.6	-0.2
Q19K	Cape Douglas	22.84	63	P	P	21 40 16.9	-1.0
Q19K	comp=Z,395nm,2.5s					21 40 26.8	
Q19K	Cape Douglas	22.84	63	P	P	21 40 17.5	-0.5
M20K	Styx River	22.85	55	P	P	21 40 18.0	-0.1
M20K	comp=Z,101nm,0.8s					21 40 18.1	-0.1
M20K	Styx River	22.85	55	P	P	21 40 18.0	-0.1
HEH	Heihe	22.95	274	eP	P	21 40 15.1	-4.1
HEH	comp=Z,21nm,0.6s					21 40 19.1	-2.9
HEH	Heihe	22.95	274	pP	pP	21 40 48.2	+4.5
HEH	comp=Z,4um,14.5s					21 44 24.9	-3.8
HEH	Heihe	22.95	274	S	S	21 40 15.1	-4.1
HEH	comp=Z,2um,13.5s					21 40 19.1	-2.9
HEH	Heihe	22.95	274	pP	pP	21 40 48.2	+4.5
HEH	comp=Z,2um,13.5s					21 44 24.9	-3.8
P19K	Oil Pt	22.95	61	P	P	21 40 18.9	-0.3
P19K	comp=Z,4um,13.2s					21 40 18.7	-0.5
P19K	Oil Pt	22.95	61	P	P	21 40 18.9	-0.3
ILSW	Iliamna Southw	22.96	60	P	P	21 40 18.7	-0.6
ILSW	comp=Z,2um,13.5s					21 40 23.7	
ILSW	Iliamna Southw	22.96	60	P	P	21 40 18.7	-0.6
SII	Sitkinak Islan	22.98	69	P	P	21 40 18.6	-0.9
G21K	Allakaket	23.04	43	P	P	21 40 20.0	-0.1
F21K	Alatina River	23.19	41	I	Amb	21 40 24.9	
F21K	comp=Z,195nm,1.2s					21 40 21.6	+0.1
F21K	Alatina River	23.19	41	P	P	21 40 21.6	+0.1
H21K	Melozitna Rive	23.20	45	P	P	21 40 21.2	-0.4
C21K	Knifeblade Rid	23.21	36	P	P	21 40 21.4	-0.2
O20K	Slope Mountain	23.21	60	P	P	21 40 21.5	-0.3
CHUM	Lake Minchumin	23.25	50	P	P	21 40 22.6	+0.1
CHUM	comp=Z,29nm,1.4s					21 40 23.0	
CHUM	Lake Minchumin	23.25	50	P	P	21 40 22.6	+0.1
PPLA	Purkeypile	23.28	52	P	P	21 40 23.0	-0.9
OHAK	Old Harbor	23.32	67	P	P	21 40 21.9	-0.9
OHAK	comp=Z,124nm,1.2s					21 40 23.6	
OHAK	Old Harbor	23.32	67	P	P	21 40 22.4	-0.5
SPCR	Spurr Chakacha	23.32	57	P	P	21 40 22.8	-0.2
CAST	Castle Rocks	23.34	51	P	P	21 40 23.1	0.0
A21K	Barrow	23.41	30	P	P	21 40 22.5	-1.1
B21K	Ikpkuk River	23.41	35	P	P	21 40 23.3	-0.3
I21K	Tanana	23.48	47	P	P	21 40 24.5	0.0

JMM	Marumori	23.50	234	P	P	21 40 25.2	+0.5
Q20K	Shuyak Island	23.53	63	P	P	21 40 23.4	-1.5
USA0B	Ussuriysk Arra	23.55	257	iP	P	21 40 25.4	+0.2
USRK	Ussuriysk Ar.	23.55	257	P	P	21 40 25.8	+0.6
USRK	comp=Z,3.3nm,0.6s					21 49 59.7	
KDAK	Kodiak Island	23.58	65	P	P	21 40 23.6	-1.8
KDAK	comp=Z,220nm,1.4s					21 40 27.8	
KDAK	Kodiak Island	23.58	65	LR	LR	21 49 06.3	
KDAK	comp=Z,1um,21.5s					21 40 24.3	-1.2
KDAK	Kodiak Island	23.58	65	P	P	21 40 24.3	-1.2
KDAK	Kodiak Island	23.58	65	iP	pmax	21 40 23.9	-1.5
KDAK	comp=Z,74nm,1.1s					21 40 25.5	-0.2
SKT	Skwentna	23.60	55	P	P	21 40 26.4	-0.5
F22K	John River	23.74	41	P	P	21 40 26.0	-1.1
HOM	Homter	23.75	60	P	P	21 40 26.0	-0.8
A22K	Sinclair Lake	23.77	32	P	P	21 40 27.8	+0.1
H22K	Ishitalna Cre	23.81	45	P	P	21 40 27.8	-0.2
BPWA	Bear Paw Mtn.	23.84	49	P	P	21 40 27.8	-0.2
D22K	Aiyikyak River	23.86	37	I	Amb	21 40 29.4	
D22K	comp=Z,163nm,1.4s					21 40 27.7	-0.3
D22K	Aiyikyak River	23.86	37	P	P	21 40 27.7	-0.3
CAPN	Captain Cook N	23.87	58	P	P	21 40 28.7	+0.5
G22K	Bettles	23.89	42	P	P	21 40 27.4	-1.0
TRF	Thorofare Moun	24.14	51	P	P	21 40 30.8	-0.2
CUT	Chitina	24.18	54	P	P	21 40 30.4	-0.7
BRSE	Bradley Lake S	24.20	60	P	P	21 40 30.1	-1.2
M22K	Willow	24.29	55	P	P	21 40 30.1	-1.9
M22K	comp=Z,160nm,1.2s					21 40 34.2	
M22K	Willow	24.29	55	P	P	21 40 31.0	-1.1
COLD	Colob	24.45	42	P	P	21 40 33.1	-0.4
G23K	Bananza Creek	24.45	43	P	P	21 40 32.6	-1.0
RC01	Rabbit Creek A	24.53	57	P	P	21 40 33.5	-0.8
D23K	Nanushuk River	24.58	38	P	P	21 40 34.3	-0.5
I23K	Minto, Yukon-K	24.59	47	P	P	21 40 33.9	-0.8
I23K	comp=Z,15nm,1.4s					21 40 34.2	-0.6
I23K	Minto, Yukon-K	24.59	47	P	P	21 40 33.9	-0.8
O22K	Cooper Landing	24.60	58	P	P	21 40 34.3	-0.6
MDJ	Mudanjiang	24.65	260	P	P	21 40 35.5	-0.1
MDJ	comp=Z,200nm,8.2s					21 40 34.7	-0.8
MDJ	Mudanjiang	24.65	260	S	S	21 44 55.9	-0.4
MDJ	comp=Z,15nm,1.4s					21 45 47.4	+5.6
MDJ	Mudanjiang	24.65	260	PcS	PcS	21 47 56.5	+4.1
MDJ	comp=Z,2um,16.1s					21 40 10.8	-2.2
MDJ	comp=Z,2um,16.1s					21 40 13.0	-0.1
MDJ	comp=Z,3um,15.3s					21 40 16.5	
MDJ	comp=Z,3um,15.3s					21 40 12.8	-0.3
NEA2	Nena	24.69	48	P	P	21 40 35.3	-0.5
MCK	McKinley	24.75	50	P	P	21 40 35.6	-0.7
PMR	Palmer	24.77	55	P	P	21 40 34.8	-1.6
PMR	comp=Z,58nm,1.5s					21 40 35.4	-1.1
PMR	Palmer	24.77	55	P	P	21 40 34.8	-1.6
SEW	Seward	24.79	59	P	P	21 40 34.8	-1.6
RND	Reindeer	24.79	51	P	P	21 40 35.5	-

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes entries like KXSX Camp Six Broad, E09A Wood Farm, PINE Pine Mountain, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes entries like SUMG comp=Z,31nm,0.9s, BBGB Big Mountain B, BRZS Berezinski, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other details. Includes entries like KIRV Kirov, ULM Lac du Bonnet, SFJD Kangerlussuaq, etc.

YULB	Yu-li	0.57 25	Pg	22 59 31.6	-1.7	E0S3	E0S3	1.84 40	eP	Pn	22 59 52.8	-0.4	comp=Z,0.9nm,0.3s,baz=72,slow=10,SNR=5.7	CMAR	comp=Z,2.04nm,18.8s,baz=80,slow=38	LR	LR	23 12 55.1	
YULB	Yu-li	0.57 25	Pg	22 59 32.1	-1.2	E0S3	ESAO	Su ao	1.85 24	eP	Pb	22 59 55.6	-0.2	XLT	XLT	21.37 350	eP	P	23 04 10.1 +0.8
YULB	Yu-li	0.57 25	Pg	22 59 40.2	-0.7	NDS	Dongshan	1.86 20	eP	Pb	22 59 55.9	-0.2	XLT	XLT		eP	P	23 04 14.3 -0.5	
YULB	Yu-li	0.57 25	Pg	22 59 31.9	-1.4	TWC	Suao	1.88 23	eP	Pb	22 59 56.3	-0.1	XLT	XLT		eP	P	23 04 18.6 +5.4	
YULB	Yu-li	0.57 25	Pg	22 59 32.2	-1.8	E0S2	E0S2	1.89 35	eP	Pb	22 59 54.1	+0.1	XLT	XLT		eP	P	23 04 03.4 -2.9	
ECBN	Changbin	0.59 41	eP	22 59 33.4	-0.2	KSHI	Guanchi Townshi	1.90	eP	Pb	22 59 55.6	-1.0	XLT	XLT		eP	P	23 08 10.8 +4.4	
ECBN	Changbin	0.59 41	eP	22 59 43.6	+1.1	TWE	Neicheng	1.93 17	eP	Pb	22 59 57.2	+0.1	XLT	XLT		eP	P	23 08 33.6 +4.4	
SNST	Tainan City	0.60 305	eP	22 59 33.2	-0.6	NWLT	Wulai	1.94 13	eP	Pb	22 59 57.7	+0.2	XLT	XLT		eP	P	23 08 33.6 +4.4	
SNST	Tainan City	0.60 305	eP	22 59 42.7	-0.2	FUSB	Fushanzhiwuyua	1.95 15	eP	Pb	22 59 56.8	-0.7	XLT	XLT		eP	P	23 08 33.6 +4.4	
CHHT	Tsaulshan	0.62 320	eP	22 59 33.4	-0.9	TATO	Taipei	2.13 11	Pn	Pn	22 59 57.3	-0.1	XLT	XLT		eP	P	23 08 33.6 +4.4	
CHHT	Fangshan	0.63 217	eP	22 59 32.7	-1.5	TIPB	Shuangki	2.21 19	eP	Pb	22 59 59.3	-0.3	XLT	XLT		eP	P	23 08 33.6 +4.4	
SCZT	Shuangki	0.63 217	eP	22 59 40.7	-1.8	NWF	Wu-fen Shan	2.29 17	eP	Pb	22 59 02.3	-1.1	XLT	XLT		eP	P	23 08 33.6 +4.4	
SCZT	Shuangki	0.63 217	eP	22 59 33.7	-0.8	TWB1	Santiao Chiao	2.30 22	eP	Pb	22 59 02.8	-0.7	XLT	XLT		eP	P	23 08 33.6 +4.4	
SCZT	Shuangki	0.63 217	eP	22 59 42.2	-0.7	YMO1	YMO1	2.32 12	eP	Pb	22 59 02.5	-1.2	XLT	XLT		eP	P	23 08 33.6 +4.4	
SHHT	Tainan City	0.65 283	eP	22 59 35.7	+0.5	ZUZH	Zhuzhou	2.33 12	eP	Pb	22 59 02.4	-1.6	XLT	XLT		eP	P	23 08 33.6 +4.4	
SHHT	Alishan	0.67 342	eP	22 59 33.7	-1.5	ZUZH	Zhuzhou	2.34 19	eP	Pb	22 59 02.5	-0.2	XLT	XLT		eP	P	23 08 33.6 +4.4	
SHHT	Alishan	0.67 342	eP	22 59 43.6	-0.4	SKXJ	Grass Mountain	2.34 19	eP	Pb	22 59 02.9	+0.5	XLT	XLT		eP	P	23 08 33.6 +4.4	
EHYH	Wanrong	0.68 25	eP	22 59 34.1	-1.2	ANP	Anpu	2.35 11	eP	Pb	22 59 01.4	+0.9	XLT	XLT		eP	P	23 08 33.6 +4.4	
EHYH	Wanrong	0.68 25	eP	22 59 42.6	-1.8	JYNG	Yonagunijimaku	2.36 48	eP	Pb	22 59 00.2	-0.3	XLT	XLT		eP	P	23 08 33.6 +4.4	
EHYH	Wanrong	0.68 25	eP	22 59 34.5	+0.9	JYNG	Yonagunijimaku	2.36 48	eP	Pb	22 59 00.2	-0.3	XLT	XLT		eP	P	23 08 33.6 +4.4	
EHYH	Wanrong	0.68 25	eP	22 59 43.3	-1.1	JYNG	Yonagunijimaku	2.36 48	eP	Pb	22 59 00.2	-0.3	XLT	XLT		eP	P	23 08 33.6 +4.4	
EHYH	Wanrong	0.68 25	eP	22 59 34.9	-0.5	JYNG	Yonagunijimaku	2.36 48	eP	Pb	22 59 00.2	-0.3	XLT	XLT		eP	P	23 08 33.6 +4.4	
EHYH	Wanrong	0.68 25	eP	22 59 44.0	-0.5	JYNG	Yonagunijimaku	2.36 48	eP	Pb	22 59 00.2	-0.3	XLT	XLT		eP	P	23 08 33.6 +4.4	
EHYH	Wanrong	0.68 25	eP	22 59 35.4	-0.6	JYNG	Yonagunijimaku	2.36 48	eP	Pb	22 59 00.2	-0.3	XLT	XLT		eP	P	23 08 33.6 +4.4	
EHYH	Wanrong	0.68 25	eP	22 59 46.4	+0.1	JYNG	Yonagunijimaku	2.36 48	eP	Pb	22 59 00.2	-0.3	XLT	XLT		eP	P	23 08 33.6 +4.4	
SSHA	Shanhua	0.73 291	eP	22 59 37.3	+0.6	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
KAU	Kaohsiung	0.74 246	eP	22 59 37.5	-0.7	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.5	-0.7	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 51.3	+1.7	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 39.2	+0.2	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 40.0	+0.7	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 48.0	-0.4	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 48.0	-0.4	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 38.5	+0.1	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 50.1	+0.6	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 38.2	0.0	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 50.0	+0.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.3	-1.0	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-0.6	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 38.2	-0.2	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 51.1	-0.9	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 38.4	-0.4	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 50.9	+0.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 48.0	-0.4	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.7	-1.3	YOJ	Yonagunijima	2.41 49	Pn	Pn	22 59 00.8	-0.4	XLT	XLT		eP	P	23 08 33.6 +4.4	
WSSB	Gushan	0.74 252	eP	22 59 37.															

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BKZ, NTVZ, TMVZ, etc.

IDC 04 00:42:43.5:1.1, 7.14S:154.89E, h0km, mb3.9/10, mbmp4.0/11, ML2.4/1, MS3.2/4, Error ellipse: s-maj=38.3km s-min=19.6km az=124.0, NEIC 04 00:42:47.4:1.1, 7.04S:0.10:154.9E:0.1, h10km, 1km, mb4.4/39, Error ellipse: s-maj=21.6km s-min=16.4km az=286.0, ISC 04 00:42:50.5:0.7, 7.15S:0.10:154.8E:0.1, h141km, n59, a1911/59, mb4.3/31, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RABL, HNR, PMG, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HYT, HYT, C24K, etc.

IDC 04 00:55:27.1:22.0, 37.10N:71.53E, h120km, 149km, mb3.7/2, mbmp3.6/6, ML2.7/4, Error ellipse: s-maj=202.9km s-min=72.6km az=177.0, NNC 04 00:55:27.3:4.1, 37.52N:71.41E, h30km, mb4.0, mpv4.0, Error ellipse: s-maj=31.9km s-min=24.3km az=171.0, SOME 04 00:55:30.3, 38.77N:72.13E, h10km, ISC 04 00:55:27.2:2.0, 37.30N:0.1:71.3E:0.1, h109km, n18, a172/24, 1C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AML, MRKS, EK52, etc.

IDC 04 00:59:42.0:1.9, 18.13S:178.21W, h548km, 21km, mb3.3/12, mbmp4.1/13, Error ellipse: s-maj=25.2km s-min=15.3km az=132.0, NEIC 04 00:59:41.1:1.0, 18.2S:0.1:178.20W:0.05, h543km, 11km, mb4.1/58, Error ellipse: s-maj=21.3km s-min=6.2km az=182.0, ISC 04 00:59:41.5:0.5, 18.1S:0.1:178.2W:0.1, h550km, n83, a095/83, mb4.1/42, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MSVF, FUTU, AFI, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like QSPA, PETK, KDAA, etc.

TAP 04 01:00:12.5, 24.94N:122.23E, h19km, ML3.5, C JMA 04 01:00:12.8:0.2, 25.1N:122.3E:0.6, h30km, MV2.8/10, TAIWAN REGION

ISC 04 01:00:12.0:1.1, 24.93N:0.02:122.26E:0.02, h18km, 3km, n83, a066/130, 2C, Taiwan region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like YKA, MKAR, BRTR, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Wuta, YMO8, ZUHUI, ENA, Taipei, Nioudou, Wulai, Pengchayiu, Anpu, Aohua, Danshui, Datong, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARGC Ariguani, Magd, SDV Santo Domingo, APAC Apartado, Choc, PRAC Prado, ORTEC Ortega, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMM Marumori, H1N2 WAKE ISLAND, H1N1 WAKE ISLAND, H1N3 WAKE ISLAND, etc.

IDC 04 01:26:46.0, 6.67N, 72.83W, h167km, 11km, mb3.0/3, mbmp3.8/6, Error ellipse: s-maj=37.0km s-min=7.6km az=135.0

HLW 04 01:30:52.4, 25.60N, 27.38E, h12km, 15km, Md4.1, MI3.7, 2D, Egypt

GCG 04 02:30:31.8, 1.6, 13.45N, 90.93W, h20km, 12km, MD4.3, Hypocentre not reviewed by the ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BARC Barichara, BRUC Barrancabermej, PAMC Pamplona, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GLG1 Gilan-e-Gharb, KGS1 Ghasr-e-Shirin, ILBA Ilam Banvizeh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMS Las Juntas de, JTS Las Juntas de, JTS Matias Romero, etc.

2019 JAN

Table with columns: PLVR, DRKO, TENO, Station Name, Az, El, Pn, Time, Res. Includes stations like Palo Verde, Durika, Achiotte.

NOU 04 03:50:15.8, 28:53S:174:68W, h151km, mb4.7/2S, KermaDEC Islands Region. IDC 04 03:50:46.5, 0.3, 28:51S:178:33W, h199km, 2km, mb4.1/1S, mBmp4.6/15, M, 0.3, 4/2, Error ellipse: s-maj=14.0km s-min=13.0km az=78.0

NEIC 04 03:50:47.6, 1.6, 29:0S:0.1:178:4W:0.2, h203km, 5km, mb4.9/30, Error ellipse: s-maj=20.5km s-min=18.0km az=65.0

GCMT 04 03:50:48.6, 0.4, 28:77S:0:04:178:06W:0:02, h11km, 3km, MW5, 0/77, Moment Tensor Solution. s32c34; s77r97; Duration: 0. Moment tensor: Scale 1016Nm; Mrr:0.76; 19; Mrr:0.87; 25; Mrr:1.62; 22; Mrr:0.15; 15; Mrr:0.76; 18; Mrr:0.02; 14; Best double couple: M1:25000/1016; N1:321/233, 00000; 813, 00000; 1,144, 00000; N1P2:358, 00000; 822, 00000; 1,79, 00000; Principal axes: T 3.882, P1g52, 0000; Azm256, 0000; N 0.8640, P1g11, 0000; Azm360, 0000; P -4.6910, P1g36, 0000; Azm98, 0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 04 03:50:45.4, 0.4, 29:39S:0:05:178:15W:0:07, h200km, n195, s25/204, mb4.8/33, 4C, KermaDEC Islands

Main station list table with columns: Code, Station Name, Az, El, Pn, Phase ID, Time, Res. Includes stations like Green Lake, Raoul Island, Waioamatatini S, etc.

Main station list table with columns: Code, Station Name, Az, El, Pn, Phase ID, Time, Res. Includes stations like Cobar Meteorol, Stephens Creek, Innamanna, etc.

Main station list table with columns: Code, Station Name, Az, El, Pn, Phase ID, Time, Res. Includes stations like Karatay Array, Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GZT, YESY, KIZK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRTR, MMAL, MLR, etc.

UPA 04 05:33:01.5:2.6, 7.59N, 78.16W, h12km, 32km, ML4.1, MW4.2

RSNC 04 05:33:01.7:0.0, 8°N, 3°7'8W, h3km, 5km, M2.3, ML2.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTAC, CAPC, SOLC, etc.

IDC 04 05:58:02.2:1.2, 18.58N, 145.78E, h0km, mb3.7/8, az=86.0, Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, FITZ, SONM, etc.

ATH 04 06:07:08.2, 37.44N, 20.50E, h11km, 3km, ML2.7/3, Error ellipse: s-maj=3.8km s-min=1.3km az=56.0

THE 04 06:07:09.0, 37.48N, 20.54E, h2km, 26km, ML2.5/4, Error ellipse: s-maj=26.1km s-min=0.6km az=0.0

ISC 04 06:07:08.9:1.7, 37.49N, 20.50E, h16km, 8km, n19, c046/32, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LTHK, TXAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLEM, VLS, RLS, etc.

IDC 04 06:19:27.5:1.9, 52.42N, 175.12W, h0km, mb3.6/3, mbtmp3.6/4, ML4.3/1, MS4.0/1, Error ellipse: s-maj=71.1km s-min=32.9km az=148.0

NEIC 04 06:19:47.8:1.2, 52.0N, 173.3W, 0.1, h100km, 7km, mb3.6/3, ML3.9/8, ML3.4(AEIC), Error ellipse: s-maj=23.0km s-min=7.2km az=164.0

AEIC 04 06:19:48.6:2.2, 52.0N, 173.3W, 0.08, h87km, 7km, Error ellipse: s-maj=18.5km s-min=6.8km az=169.0

ISC 04 06:19:47.8:0.9, 52.42N, 175.12W, 0.06, h101km, 10km, n50, c087/47, mb3.7/4, Andean Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ATKA, GSTR, GSTR, etc.

G21K Alaketek 17.25 27 P Pn 06 23 42.6 +0.6

ILAR Eielson Array 18.34 37 P Pn 06 23 51.5 -2.4

H112 WAKE ISLAND Hy 36.06 213 T T 07 04 58.7

H113 WAKE ISLAND Hy 36.07 213 T T 07 04 59.4

H114 WAKE ISLAND Hy 36.08 213 T T 07 05 00.1

H115 WAKE ISLAND Hy 37.21 212 T T 07 06 11.5

H116 WAKE ISLAND Hy 37.28 212 T T 07 06 13.3

H117 WAKE ISLAND Hy 37.28 212 T T 07 06 06.4

NVAR Mina Array Bea 40.06 88 P Pn 06 27 14.2 +1.1

PDAR Pinedale Array 42.74 77 P Pn 06 27 34.5 -0.5

JNU Nakatsu 44.07 267 LR LR 06 48 25.1

M=0.09±.18; Fault plane solution: NP1=139.10000°, 388.70000°, 209.40000°. NP2=48.40000°, 660.60000°, 1-1.50000°

NEIC 04 06:22:45.6:1.6, 6.52S, 105.130, 41E, 0.06, h128km, 4km, mb5.5/10, Mw5.6/31, Mw5.6/37 Error ellipse: s-maj=8.2km s-min=7.3km az=83.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mr=2.45; Mw=0.00; Mw2.45; Mw3.39; Mw3.33; Mw3.19; Fault plane solution: Ms3.20000x10^17 NP1=189.86000°, 664.71000°, -87.94000°. NP2=55.05000°, 825.37000°, 1-94.35000°. Principal axes: T 3.194, P12.00000°, Azm27.00000°; N -0.0423, P12.00000°, Azm9.00000°; P 3.1771, P17.00000°, Azm104.00000°

GCMT 04 06:22:46.6:0.1, 6.55S, 0.01, 130.45E, 0.1, h137km, MW5.6/159, Moment Tensor Solution. s153.c267; s159.c311; Duration: 156 Moment tensor: Scale 10^17 Nm; Mr=1.52±.03; Mw=0.69±.04; Mw2.21±.04; Mw=0.74±.03; Mw3.03±.04; Mw2.56±.03; Best double couple: Ms3.30000x10^17 NP1=33.00000°, 823.00000°, 1-45.00000°. NP2=166.00000°, 674.00000°, 1-107.00000°. Principal axes: T 3.5140, P12.00000°, Azm269.00000°; N -0.4240, P16.00000°, Azm171.00000°; P -0.8070, P165.00000°, Azm54.00000°; nst1 refers to body waves, cutoff=40; nst2 refers to surface waves, cutoff=50. Triangular moment-rate function

IDC 04 06:22:48.0:1.1, 6.45S, 130.46E, h150km, 8km, mb5.0/24, mbtmp5.0/21, MS4.3/4, Error ellipse: s-maj=12.4km s-min=7.0km az=70.0

ISC 04 06:22:45.1:0.2, 6.53S, 0.03, 130.36E, 0.03, h131km, 1km, h131km, pP-P, n1020, c1937/1146, mb5.4/188, 17C-18D, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAUI, SAUI, SAUI, etc.

Table with columns: PRZ, Przheval'sk, 67.86 321, P, P, 06 33 31.6 +2.0, 06 34 39.6, etc.

Table with columns: KURBB, Kurchatov Arra, 72.30 328, P, P, 06 33 57.1 +0.8, 06 34 05.3 -3.5, etc.

Table with columns: TIAR, Rabkut, 78.86 289, P, P, 06 34 35.8 +1.4, 06 34 34.9 +0.1, etc.

PETK	Petropavlovsk-5.6nm,0.3s,baz=64,slow=17,SNR=32	4.56 250	Pn	Pn	06 50 32.8 -0.2	TIXI	Tiksi	22.73 331	P	Pmax	06 54 24.6 -0.6	G26K	Porcupine Rive	26.85 43	P	P	06 55 03.4 -0.3
PETK				Sn	06 51 22.6 -2.6	M20K	Styx River	22.77 55	P	P	06 54 25.9 0.0	J26L	Joseph Creek	26.99 48	P	P	06 55 04.7 -0.5
PETK	4.1nm,0.3s,baz=70,slow=37,SNR=4.8			Sn		IMAR	Indian Mountai	22.78 44	P	P	06 54 25.4 -0.4	C27K	Jag River	27.05 37	P	P	06 55 05.7 +0.1
MTVR	Mutnovka	4.62 241	PN	Pn	06 50 33.8 -0.1	G21K	Allakaket	22.96 43	P	P	06 54 28.5 +0.8	I26K	Coal Creek Min	27.12 47	P	P	06 55 06.9 +0.7
MTVR	Mutnovka	4.62 241	eP	Pn	06 50 33.8 -0.1	F21K	Alatina River	23.11 41	P	P	06 54 29.5 +0.2	M26K	Nabesna, AK	27.47 53	P	P	06 55 09.4 0.0
GRL	Gorelyy	4.64 242	PN	Pn	06 51 23.3 -3.5	H21K	Melozitna Rive	23.12 45	P	P	06 54 29.4 +0.1	G27K	Doyon Strip	27.69 43	P	P	06 55 11.7 +0.4
GRL	Gorelyy	4.64 242	eP	Pn	06 51 23.3 -3.5	C21K	Kniefblade Rid	23.13 36	P	P	06 54 29.8 +0.4	E27K	Coleen River	27.72 40	P	P	06 55 11.8 +0.3
APC	Apache	4.94 250	PN	Pn	06 50 39.5 +1.5	CHUM	Lake Minchumin	23.17 50	P	P	06 54 30.6 +0.7	H27K	Steamboat Moun	27.75 45	P	P	06 55 11.3 -0.6
APC	Apache	4.94 250	eP	Pn	06 50 39.5 +1.5	OHAK	Old Harbor	23.24 67	I	Iamb	06 54 29.8 -0.8	L27K	Beaver Creek,	27.91 51	P	P	06 55 13.2 -0.1
TLK	Tilichki	5.62 7	eP	Pn	06 50 48.1 +0.8	OHAK		06 54 37.4				BCAR	Beaver Creek A	27.93 51	P	P	06 55 13.2 -0.3
TLK	Tilichki	5.62 7	eP	Pn	06 50 48.1 +0.8	CAST	Castle Rocks	23.26 51	P	P	06 54 31.5 +0.7	M27K	Edge Creek, AK	27.99 53	P	P	06 55 14.5 +0.4
SKR	Severo-Kuril's	6.75 235	ePN	MLR	06 51 04.1 +1.2	A21K	Barrow	23.33 30	P	P	06 54 32.0 +0.7	D27M	Malcolm River	27.99 38	P	P	06 55 14.1 +0.1
SKR				MLR		B21K	Ikpikpak River	23.33 35	P	P	06 54 32.0 +0.6	EGAK	EGAK	28.00 48	P	Iamb	06 55 13.0 -1.0
KMSK	Kamenskaya	7.63 5	PN	Pn	06 51 15.9 +0.9	I21K	Tanana	23.41 47	P	P	06 54 32.6 +0.4	EGAK					06 55 14.4
KMSK	Kamenskaya	7.63 5	eP	Pn	06 51 15.9 +0.9	Q20K	Shuyas Island	23.45 63	P	P	06 54 33.0 +0.3	EGAK	Eagle	28.00 48	P	P	06 55 13.4 -0.7
LVA	Lava Point	16.89 80	P	Pn	06 53 20.7 +0.7	KDAK	Kodiak Island	23.50 65	P	P	06 54 32.5 -0.7	F28M	Old Crow	28.37 42	P	P	06 55 17.6 +0.3
TNA	Tin City	17.08 40	P	P	06 53 22.6 -1.3	KDAK	Kodiak Island	23.50 65	P	Pmax	06 54 32.5 -0.7	BVCY	Beaver Creek	28.45 53	P	P	06 55 18.4 +0.2
JKA	Kamikawa-asahi	17.93 242	Iamb	Pn	06 53 33.0 +0.1	KDAK	Kodiak Island	23.50 65	Pmax	Pmax		I28M	Miner Creek	28.46 46	P	P	06 55 18.3 +0.1
ASAJ	Asahikawa	17.93 242	P	Iamb	06 53 49.7	SKT	Skwentna	23.52 55	P	P	06 54 33.5 +0.1	E28M	Babbage River	28.49 39	P	P	06 55 18.2 -0.1
ASAJ	Asahikawa	17.93 242	Pmax	Pmax	06 53 33.0 0.0	USRK	Ussuriysk Ar.	23.62 257	P	P	06 54 35.1 +0.7	YUK3	Moose Creek	28.75 54	P	P	06 55 20.5 -0.5
J14K	Nanvaranak Lak	18.00 51	P	P	06 53 34.2 +0.1	A22K	Sinclair Lake	23.69 32	P	P	06 54 35.6 +0.7	DAWY	Dawson	28.85 49	P	P	06 55 21.6 0.0
G15K	Niukuk	18.38 44	P	P	06 53 40.0 +1.8	H22K	Ishaltina Cre	23.73 45	P	P	06 54 35.5 +0.2	H29M	Whitestone	29.03 44	P	P	06 55 23.4 +0.2
F15K	North Star Dit	18.38 42	P	P	06 53 39.5 +1.2	BPaw	Bear Paw Mtn.	23.76 49	P	P	06 54 35.5 -0.2	E29M	Blow River	29.09 40	P	P	06 55 24.3 +0.5
L14K	Ungalak Mouta	18.80 55	P	Pn	06 53 44.0 +0.5	D22K	Aiylik River	23.78 37	P	P	06 54 35.8 -0.1	O28M	Mount Upton	29.09 56	P	P	06 55 24.5 +0.4
O15K	Tigyuakuiet M	18.81 63	P	Pn	06 53 44.4 +0.7	G22K	Bettles	23.82 42	P	P	06 54 36.7 +0.5	G29M	Pine Creek	29.12 43	P	P	06 55 24.6 +0.6
K15K	Wolf Creek Mou	18.85 53	P	Pn	06 53 45.1 +1.0	SUA	Susitna One	23.93 56	P	P	06 54 36.7 -0.7	YUK8	Steele Glacier	29.18 55	P	P	06 55 25.1 +0.2
H16K	Elim	19.01 46	P	Pn	06 53 46.2 +0.2	TRF	Theofare Moun	24.06 51	P	P	06 54 38.0 -0.7	M29M	Somme Creek	29.54 52	P	P	06 55 28.3 +0.5
G16K	Koyuk River	19.18 44	P	P	06 53 48.2 +0.2	CUT	Chulitna	24.10 54	P	P	06 54 38.3 -0.6	L29M	L29M	29.56 51	P	P	06 55 29.2 +1.2
ERM	Erimo	19.19 237	P	P	06 53 46.1 -1.2	COLD	Coldfoot	24.37 42	P	P	06 54 41.4 +0.2	EPYK	Epil Plains	29.68 44	P	P	06 55 29.8 +0.8
ERM	Erimo	19.19 237	Pmax	Pmax	06 53 46.1 -1.2	G23K	Bananza Creek	24.37 43	P	P	06 54 41.2 -0.1	K29M	Barlow Dome	29.70 49	P	P	06 55 29.1 -0.2
ERM	Erimo	19.19 237	Pmax	Pmax	06 53 46.1 -1.2	D23K	Nanushuk River	24.50 38	P	P	06 54 42.9 +0.4	G30M	tao, Zraii Nji	29.82 43	P	P	06 55 30.4 +0.2
C16K	Lisburne Hills	19.24 34	P	Pn	06 53 48.2 -0.5	I23K	Minto, Yukon-K	24.51 47	P	P	06 54 43.1 +0.5	F30M	Barrier River	29.93 41	P	P	06 55 31.6 +0.5
C16K	Lisburne Hills	19.24 34	P	Pn	06 53 49.0 +0.3	O22K	Cooper Landing	24.52 58	P	P	06 54 43.0 +0.3	I30M	Mount Dempster	29.97 46	P	P	06 55 31.8 +0.1
J16K	Anvik River	19.42 50	P	Pn	06 53 50.9 -0.1	NEA2	Nenana	24.61 48	P	P	06 54 44.0 +0.5	O29M	Mount Kennedy	29.98 56	P	P	06 55 31.8 0.0
O15K	Ungalikthiuk R	19.56 63	P	Pn	06 53 52.4 -0.2	MCK	McKinley	24.67 50	P	P	06 54 43.9 -0.1	KSRS	Korea Array	30.46 250	P	P	06 55 37.8 +1.8
D17K	Noatak River	19.74 37	P	Pn	06 53 54.6 -0.1	E23K	Chandalar	24.72 40	P	P	06 54 44.5 0.0	H31M	Peel River	30.72 45	P	P	06 55 38.5 +0.3
G17K	Kiwalik Mouta	19.89 44	P	Pn	06 53 56.2 -0.3	C23K	Iktilik River	24.73 36	P	P	06 54 44.5 0.0	INK	Inuvik	30.72 40	P	P	06 55 38.3 +0.3
F17K	Baldwin Pennin	19.94 41	P	Pn	06 53 56.3 -0.7	TOLK	Toolik Lake Re	24.83 39	P	Iamb	06 54 45.3 -0.2	F31M	Tsighehtic	30.73 42	P	P	06 55 38.4 +0.3
E17K	Hotham Inlet	19.95 39	P	Pn	06 53 57.0 -0.1	TOLK	Toolik Lake Re	24.83 39	P	Iamb	06 54 47.3	O30N	Mendenhall	31.04 55	P	P	06 55 41.1 0.0
RDOG	Red Dog Mine	19.95 36	P	Pn	06 53 56.9 -0.3	WAT1	Watanai	24.87 53	P	P	06 54 46.4 +0.5	M31M	Drury Creek, Y	31.45 52	P	P	06 55 44.6 0.0
M16K	Timber Creek	19.97 57	P	Iamb	06 53 56.1 +0.5	KNK	Knik Glacier	25.03 56	P	P	06 54 47.9 +0.6	WHY	Whitehorse	31.64 55	P	P	06 55 46.4 -0.1
M16K	Timber Creek	19.97 57	P	Iamb	06 53 58.2	SML	Sawmill	25.05 55	P	P	06 54 47.9 +0.3	FARO	Faro, Yukon	31.91 51	P	P	06 55 48.4 -0.3
C17K	Delong Mountai	20.05 35	P	Pn	06 53 57.7 -0.7	E24K	Your Creek	25.14 40	P	P	06 54 48.1 -0.2	FARO	Faro, Yukon	31.91 51	P	P	06 55 48.5 -0.3
H17K	Granite Mouta	20.05 46	P	Pn	06 53 57.8 -0.6	E24K	Your Creek	25.14 40	P	P	06 54 47.7 -0.6	N32M	Quiet Lake	32.34 53	P	P	06 55 52.9 +0.4
J17K	VABM Dome	20.12 50	P	Pn	06 53 58.3 -0.9	COLA	College	25.14 48	P	Iamb	06 54 48.1 -0.1	P32M	Atlin	32.53 56	P	P	06 55 54.0 -0.1
L17K	Donlin	20.34 54	P	Pn	06 54 01.5 -0.3	COLA	College	25.14 48	P	Iamb	06 54 49.1	P33M	Teslin, Yukon	32.76 55	P	P	06 55 57.3 +1.2
CHNA	Chernabura Isl	20.36 75	P	Pn	06 54 01.7 -0.3	COLA	College	25.14 48	Pmax	Pmax	06 54 48.2 -0.1	R33M	Jennings River	33.91 56	P	P	06 56 07.2 +0.8
K17K	Iditarod	20.39 53	P	Iamb	06 54 00.8 +0.6	PWL	Port Wells	25.15 57	P	P	06 54 48.3 -0.2	C36M	Paulatuk	33.95 37	P	P	06 56 06.5 +0.1
K17K	Iditarod	20.39 53	P	Iamb	06 54 16.7	H24K	Noor Dome	25.16 45	P	P	06 54 48.5 0.0	DLBC	Dease Lake	34.73 57	P	P	06 56 14.8 +1.4
K17K	Iditarod	20.39 53	P	Pn	06 54 02.0 -0.3	D24K	Happy Valley	25.20 37	P	P	06 54 48.7 0.0	H11N2	WAKE ISLAND Hy	35.14 177	T	T	07 34 38.8
P16K	Nushagak River	20.51 63	P	Pn	06 54 03.0 -0.7	F24K	Squaw Lake	25.29 41	P	P	06 54 49.4 -0.3	H11N3	WAKE ISLAND Hy	35.15 177	T	T	07 34 45.1
E18K	Tukpahleark C	20.51 39	P	Pn	06 54 03.4 -0.4	POKR	Poker Plat Res	25.32 47	P	P	06 54 50.1 +0.2	H11N1	WAKE ISLAND Hy	35.15 177	T	T	07 34 40.2
F18K	Selawik	20.60 41	P	Pn	06 54 04.1 -0.7	M23K	Glacier View	25.34 55	P	P	06 54 50.1 +0.2	T35M	Bob Quinn	35.21 59	P	P	06 56 18.6 +1.1
M17K	Holitna River	20.72 56	P	Pn	06 54 03.1 -0.7	C24K	Franklin Bluff	25.35 36	P	P	06 54 49.3 -0.8	V35K	Ketchikan	35.24 62	P	P	06 56 18.9 +1.4
M17K	Holitna River	20.72 56	P	Pn	06 54 05.0 -1.2	G24K	Hadweenzic Riv	25.38 43	P	P	06 54 50.1 +0.1	WRGLY	Wrigley	35.93 47	P	P	06 56 24.3 +0.8
H18K	Hornhosa River	20.74 46	P	Pn	06 54 05.1 -1.3	G24K	Hadweenzic Riv	25.38 43	P	P	06 54 50.4 0.0	NR1K	North'sk	36.07 324	P	P	06 56 24.2 -0.4
C18K	Utukok River	20.78 35	P	Pn	06 54 03.7 -0.7	G24K	Hadweenzic Riv	25.38 43	P	P	06 54 50.1 -0.3	SONM	Songino Array	36.20 284	P	P	06 56 27.0 +0.8
C18K	Utukok River	20.78 35	P	Pn	06 54 05.4 -1.6	DHY	Denali Highway	25.39 52	P	P	06 54 50.3 -0.5	SONM	Songino Array	36.20 284	P	P	06 56 27.0 +0.8
G18K	Tagawik	20.79 44	P	Pn	06 54 05.5 -1.6	SCM	Sheep Creek Mo	25.52 55	P	P	06 54 51.3 -0.9	SONM	Songino Array	36.20 284	P	P	06 56 27.0 +0.8
N17K	Nushagak Hills	20.84 59	P	Pn	06 54 06.1 +1.0	HDA	Harding Lake	25.53 49	P	P	06 54 50.9 -1.0	TOAD	Toad River Com	36.85 55	P	P	06 56 32.4 +1.0
B18K	Kokolik Hill	20.89 33	P	Pn	06 54 06.4 -1.8	IL31	Il31	25.55 48	P	Iamb	06 54 51.5 -0.4	KOTAN	Kotanelee Ar	36.86 52	P	P	06 56 32.3 +0.9
JTM	Temabayashi	21.14 238	P	P	06 54 07.3 -1.2	IL31	Il31	25.55 48	P	Iamb	06 55 03.7	HHC	Hu-ho-hao-te				

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like SUMG Summit, ARCES Arceles Array B, NVAR Mina Array Bea, PZH PanZhiHua, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like MKAR, BVAR, RNSC, ROSC, RECORC, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like INSR, GNL, KRM, KRM, KRM, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like OMRZ, MKRZ, HAZ, TARZ, KUZZ, KUOT, URZ, UREWA, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like JCCZ, WJCC, WJCC, WJCC, WJCC, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like RTAL, SOKI, QUI, HUEH, HUEH, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like JAYA, CEDA, PMA, PMA, PMA, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like COEC, UESV, UESV, UESV, UESV, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like JAMC, URMU, TBGT, TBGT, GUVV, GUVV, PRAC, etc.

Table with columns: MAL2, OBIP, AOPR, GO02, PDPF, CBE, SALV, TEIG, BDON, MURT, SNDB, PRPB, AQDB, AQDB, AQDB, AMBA, SMTB, CPUP, BDFB, BDFB, IPMB, LDASE, SDBA, JANB, HBVL, HBVL, PLCA, PLCA, PLCA, NBLA, PASO, NBLV, DRIO, BRDY, LL02, LL02, UALR, UALR, SAND, OZNA, PLPT, TXAR, TXAR, TXAR, TXAR, TX31, SGCY, WFTS, WFTS, SIUC, SIUC, HHAR, HHAR, MNHN, MNHN, SN05, SN05, LPIG, OK03, DKNS, OK05, SMDW, KAN14, KAN14, KAN08, 121A, CBKS, CBKS, ANMO, 125A, TUC, SDCO, SDCO, S22A, Q24A, X16A, X16A, BRIGG, BRIGG, N23A, U15A, AGCM, CCAC, PDAR, PDAR, R11B, ULM, ULM, SNOW, SNOW, TPAW, NVAR, NVAR, BOZ, BOZ, SCHQ, MFD, PLID, PLID, PINE, YKA, DBIC, DBIC, DBIC, TOAD, KOTAN, V35K

Table with columns: T35M, CRAG, DLBC, S34M, U33K, WRGLY, WRGLY, WRGLY, R33M, R32M, S32K, SIT, R32K, P33M, P32M, S31K, N32M, WHY, PLBC, FARO, FARO, BELA, BELA, M31M, O30N, ESDC, P29M, N31M, HYT, C36M, TOR, TOR, N30M, O29M, YUK6, MAYO, YUK4, PINM, M29M, H31M, YUK8, J30M, L29M, K29M, I30M, YUK3, F31M, A36M, BVCY, INK, INK, DAWY, EPYK, G30M, M27K, F30M, KAIM, BCAR, H29M, L27K, G29M, I28M, M26K, EGAK, EGAK, BMRM, L26K, N25K, E29M, I27K, EKA, F28M, H27K, HARP, KLU, SCRK, J26L, I26K, G27K, G27K, E28M, PAX, RIDG, M24K

Table with columns: M24K, D28M, K24K, SCM, E27K, E27K, J25K, TROLL, M23K, D27M, G26K, KNK, DHY, WAT6, SML, PRP, SEW, HDA, F26K, IL31, ILAR, ILAR, PMR, WAT1, RC01, BRSE, G25K, F25K, F25K, M22K, M22K, C27K, E25K, E25K, SUA, H24K, NEA2, G24K, G24K, TRF, C26K, I23K, SKT, F24K, D25K, BPWA, E24K, PPLA, CAST, G23K, M20K, CHIR, COLD, E23K, D24K, O19K, H22K, I21K, TOLK, C24K, N19K, L20K, P18K, G22K, Q17K, H21K, K20K, D23K, L19K, GSPA, GSPA, J20K, C23K, N18K, P17K, Q16K, M18K, G21K, G21K, F21K, D22K, O17K, H20K, J19K

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like N17K Nushagak Hills, L18K Granite Mounta, P16K Nushagak River, etc.

IDC 04 08:53:09.1+4.2, 2.72S, 138.99E, h76km, 38km, mb3.2/2, mbtmp3.6/3, ML4.0/1, Error ellipse: s-maj=40.4km s-min=18.4km az=112.0

DJA 04 08:53:11.3+0.7, 3.56S, 133.9E, h65km, 21km, M4.2/6, mb5.2/1, mb4.3/1, MLV4.1/6, Mw(mb)4.6/1

ISC 04 08:53:10.3+1.0, 2.54S, 0.07, 139.12E, 0.04, h96km, 9km, n11, 1941/18, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like SMPI Sarmi, GENI Genyem, WAMI Wamena, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes station ILAR Eielson Array.

IDC 04 08:57:14.3+1.3, 19.92S, 175.23W, h0km, mb3.9/6, mbtmp3.9/6, Error ellipse: s-maj=37.4km s-min=30.0km az=152.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, etc.

ASRS 04 08:59:40.0+0.4, 54.40N, 86.70E, h0km, M3.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

NNC 04 08:59:43.4+1.6, 54.31N, 86.60E, h0km, mb3.8, mpv3.6, 11C-4D, Error ellipse: s-maj=15.4km s-min=7.5km az=179.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like ZAAO Zalesovo Array, KURK Kurchatov, KURBB Kurchatov Arra, etc.

ASRS 04 09:07:47.0+1.9, 53.69N, 90.99E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 04 09:07:53.5+3.7, 53.65N, 90.79E, h0km, mbtmp2.7/3, ML2.3/3, Error ellipse: s-maj=33.0km s-min=26.5km az=30.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

DSN 04 09:12:05.1+1.9, 25.00N, 62.27E, h10km, ML3.0/8, Error ellipse: s-maj=38.5km s-min=17.6km az=171.0

OMAN 04 09:12:06.9+0.1, 24.90N, 62.32E, h50km, mb4.0/7, ml3.1/8, Error ellipse: s-maj=2.5km s-min=1.4km az=256.0

ISC 04 09:12:02.3+3.7, 24.96N, 0.09, 62.62E, 0.2, h35km, n29, 1569/46, Off coast of Pakistan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like NGCH Negor - Chabah, JLN Jan Bani Buh, WBK Wadi Bani Khal, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations WHFO Wadi Hawf, WHFO.

IDC 04 09:12:55.7+1.7, 55.14N, 164.62E, h0km, mb3.2/6, mbtmp3.2/7, ML2.5/1, MS3.2/1, Error ellipse: s-maj=57.4km s-min=19.9km az=166.0

KRSC 04 09:12:57.4+1.1, 54.35N, 164.66E, h16km, 29km, ML3.9

ISC 04 09:12:55.8+1.0, 54.71N, 0.2, 164.8E, 0.1, h10km, n24, 1154/30, mb3.3/6, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations SPN Mys Shipunski, SPN Nalyatchevo, NLC NALV, etc.

H11N2 WAKE ISLAND Hy 34.98 177 T T 09 58 05.4

H11N3 WAKE ISLAND Hy 34.99 177 T T 09 58 04.1

H11N1 WAKE ISLAND Hy 34.99 177 T T 09 58 02.4

YKA Yellowknife Arr 40.04 45 P 09 20 29.1 -1.3

KURBB Kurchatov Arra 49.32 303 P 09 21 42.5 -2.1

MKAR Makanchi Array 49.94 297 P 09 21 49.5 +0.1

BVAR Borovoye Array 51.53 310 P 09 22 01.4 0.0

ARCES ARCESS Array B 52.56 343 LR 09 45 25.2

TXAR Lajlas Array 67.43 71 P 09 23 54.5 +2.9

ASRS 04 09:14:47.0+0.7, 54.15N, 87.22E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 04 09:14:49.7+0.6, 54.14N, 87.24E, h0km, mbtmp2.9/3, ML2.4/3, Error ellipse: s-maj=22.8km s-min=14.9km az=70.0

ISC 04 09:14:52.4+3.8, 54.11N, 0.2, 86.9E, 0.2, h0km, n5, 1918/6, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, etc.

NEIC 04 09:17:03.6+1.7, 18.7N, 0.1, 64.97W, 0.05, h35km, 2km, ML2.2/16, MD3.3/5(RSPR), Error ellipse: s-maj=22.8km s-min=3.1km az=161.0

RSPR 04 09:17:03.7, 19.20N, 65.39W, h108km, 12km, MD3.3/5

ISC 04 09:16:56.2+2.4, 19.52N, 0.1, 65.06W, 0.05, h31km, 14km, n29, 1928/35, 9C, Puerto Rico region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations HUMP Col San Antoni, HUMP Col San Antoni, HUMP Col San Antoni, etc.

4d 11h

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like KURK Kurchatov, BVAO Borovoye Array, BVAR Borovoye Array, BRVK Borovoye, MK31 Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam.

KRNET 04 10:30:53.60.1, 43.64N:69.57E, mb2.7
SOME 04 10:30:54.0, 43.68N:69.62E
NINC 04 10:30:55.90.8, 43.60N:69.69E, h0km, mb3.6, mpv3.1,
Error ellipse: s-maj=6.5km s-min=3.5km az=62.0,
Suspected Mining explosion.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, KKAR Karatay Array, TRKS Terek-Say, TRKS TRKS, MNAS Manas, ARK Arkit, MRKS Merke, MRKS Erkin-Say, EKS2 Almayashu, ARSB Arslanbob, ARSB Baital, USP Ospenovka, USP Ospenovka, SGDS Sogindy, SGDS Chumysh, CHMS Chumysh, CHMS Karabastau, KRBS Karabastau, TKM2 Tokmak 2, TKM2 Tokmak 2, DGS Degeres, DGS Degeres, KST Kasteik, KST Kasteik, TNSS Tian-Shan, TNSS Tian-Shan.

UPA 04 10:36:41.6, 1.2, 10.25N:84.33W, h10km, 40km, MW4.7
UCR 04 10:36:43.4, 1.1, 10.31N:84.22W, h87km, 4km, MW3.5
ISC 04 10:36:44.6, 1.4, 10.27N:0.05:84.23W, 0.05, h84km, 8km,

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like ITAL Pital, ITAL Pital, GREC Grecia, SARCHI Sarchi, TCS1 Tacares, BELE Belen, RAMO San Ramon, SRA1 San Ramon, DOMI Santo Domingo, SANTA Santa Ana, LUPE Guadalupe, CENT San Jose, CORON Coronado, CIVIMO Finca Echandi, SJS Escuela Geolog, SJS Mercedes San J, SOCE Pocosol, AMPA Desamparados, TRIO Tres Rios, TUNA La Fortuna, VICA Volcano Irazu, ACOS Acosta, YACR Volcan Arenas, TAGO Cartago, CEDE Laguna Cedee, ARZA Esparza, VTLA Turrialba Volc, CVTR Volcan Turrial, CVTR Tajo, PCAYA Pacayas, REPA Paraso, WTCV VTCV Calle Va, KUZ San Pablo, MTEVE Monteverde, VERB Verbena, RAZU San Marcos de, RYLA Villa Bonita, JITS Las Juntas de, JUNT Juntas, BITO Garibito Jacobo, LLNJ Naranjito, TENO El Achiotte, VERA Volcano Concepci, CNAS Canas, LCHIL Los Chilies, CUII Cuiplapa, ZEPE Perez Zeledon, COLC Colombia, NYURU Mandayure, CBL1 Cabuya, PLVR Palo Verde, GPS2 Hotel Rincon d.

2019 JAN

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like NICO Nicoya, GPS3 Bodega del ICE, VRLE La Escondida, DRUK Durika, LCRUO La Cruz, EDPO Petro Grande, ESPN Las Esperanzas, EDAD Goffito, ACON Acopya, CN12 El Empalme, Bo, PIRFO Carate, Puerto, BRU2 Volcan, BRU2 Volcan, LNBO3 Los Naranjos, LNBO3 Los Naranjos, CHGR2 Aguacate, PTPM Petroterminal, PTPM Petroterminal, PSM03 Paja de Sombre, PSM03 Paja de Sombre.

IDC 04 10:48:47.3:999.0, 52.02N:164.47E, h0km, Error ellipse:
s-maj=443.5km s-min=137.3km az=106.0, The
Netherlands
Code Station Name Az El Op Phase ID Time Res ISC
I26DE FREYUNG INFRAS 6.70 115 I I 11 30 00.0
I43RU DUBNA INFRASONS 9.63 I I 12 43 40.0
I31KZ AKTYUBINSK INF 32.96 71 I I 14 10 00.0

IDC 04 11:19:27.3:1.6, 55.05N:164.94E, h0km, mb3.3/6,
mbmp3,47, ML2.9/1, MS2.6/3, Error ellipse: s-maj=62.4km
s-min=19.3km az=166.0,
KRSC 04 11:19:28.9:1.3, 55.01N:164.83E, h60km, 21km, M13.9
ISC 04 11:19:31.7:0.8, 55.02N:165.00E, h34km, m38,
s144/46, mb3.56, Komandorskiy Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like BKE Bering, BKE Bering, KBTR Krutoberegovo, KBTR Krutoberegovo, BZGR Bezymyanni-Gr, BZGR Bezymyanni-Gr, KLY Kiyuchi, KLY Kiyuchi, KIRR Kirishev, KIRR Kirishev, KMNR Kamenstaya, KMNR Kamenstaya, KOZ Kozryrev, KOZ Kozryrev, SPN Mys Shipunski, SPN Mys Shipunski, ESO Eso, ESO Eso, NLC Nalytchevo, NLC Nalytchevo, AVH Avacha, AVH Avacha, KRX Arik, KRX Arik, DOK Koryaka, DOK Koryaka, KALK Dalny, KALK Dalny, PET Petropavlovsk, PET Petropavlovsk, GNL Ganaly, GNL Ganaly, OSSR Ossora, OSSR Ossora, KRMR Karymshinskiy, KRMR Karymshinskiy, RUS Ruskaya, RUS Ruskaya, PETK Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, MTRV Mutnovka, MTRV Mutnovka, GRL Gorelyy, GRL Gorelyy, APC Apache, APC Apache, KDRT Khodutka, Kamc, KDRT Khodutka, Kamc, TILK Tilichiki, TILK Tilichiki, ILAR Eielson Array, ILAR Eielson Array, KSRS Korea Array, KSRS Korea Array, H1N2 WAKE ISLAND Hy 35.27 177 T, H1N2 WAKE ISLAND Hy 35.27 177 T, H1N1 WAKE ISLAND Hy 35.27 177 T, H1N1 WAKE ISLAND Hy 35.27 177 T, SONM Songo Array, SONM Songo Array, YKA Yellowknife Ar, YKA Yellowknife Ar, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array, PDAR Pinedale Array, PDAR Pinedale Array, TXAR Lajitas Array, TXAR Lajitas Array.

IDC 04 11:35:59.6:3.5, 21.17S:178.41W, h535km, 39km, mb3.4/8,
mbmp4.3/10, Error ellipse: s-maj=31.3km s-min=18.9km
az=156.0,
NEIC 04 11:36:00.8:1.5, 21.01S:178.47W, 0.1, h543km, 7km,
mb4.3/40, Error ellipse: s-maj=16.6km s-min=7.9km
az=82.0,
ISC 04 11:36:01.3:0.5, 21.0S:178.60W, 0.08, h550km, m119,
s1930/115, mb4.3/33, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like NIUE Niue, NIUE Niue, NIUE Niue, AF1 Afiamalu, AF1 Afiamalu, DZM Mont Dzumac, DZM Mont Dzumac, AF2 Afiamalu, AF2 Afiamalu, WUZ Wuzi Caves, WUZ Wuzi Caves, HAZ The Kaha, HAZ The Kaha, URZ Urewera, URZ Urewera, MUGZ Murupara, MUGZ Murupara, TLZ Tolley Road, TLZ Tolley Road, BKZ Black Stump Fm, BKZ Black Stump Fm, TMVZ Te Maari, TMVZ Te Maari, DZM Mont Dzumac, DZM Mont Dzumac, SNVZ South Nguarhuo, SNVZ South Nguarhuo, MCHZ McNeill Hill, MCHZ McNeill Hill, KWHZ Kaweka Forest, KWHZ Kaweka Forest, WNVZ Wahianoa, WNVZ Wahianoa, URZ Urewera, URZ Urewera, KHZ Kaharanaki, KHZ Kaharanaki, PAHZ Pahunui, PAHZ Pahunui.

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Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like PNHZ Pukenui, PNHZ Pukenui, DVHZ Dannevirke, DVHZ Dannevirke, MRZ Mangatainoka R, MRZ Mangatainoka R, GRZ Quartz Range, GRZ Quartz Range, NRZ Nelson, NRZ Nelson, TUWZ Tophouse, TUWZ Tophouse, THZ Lake Taylor, THZ Lake Taylor, EIDS Eidsvoll, EIDS Eidsvoll, ARMA Armidale, ARMA Armidale, CAN Canberra, CAN Canberra, CTAO Charters Tower, CTAO Charters Tower, TOO Tootaling, TOO Tootaling, COEN Coen, COEN Coen, STKA Stephens Creek, STKA Stephens Creek, BBOO Bucklebo, BBOO Bucklebo, AS31 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WB0 Warramunga Arr, WB0 Warramunga Arr, WB2 Warramunga Arr, WB2 Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, FORT Fort, FORT Fort, KNRA Kununurra, KNRA Kununurra, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, MBWA Marble Bar, MBWA Marble Bar, ADK Mina Array Sit, ADK Mina Array Sit, PEAB Petropavlovsk, PEAB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, NVAR Mina Array Brea, NVAR Mina Array Brea, NV11 Mina Array Brea, NV11 Mina Array Brea, O16K Kokwok River B, O16K Kokwok River B, N15K Kethluk River, N15K Kethluk River, O18K Koktuh Hills, O18K Koktuh Hills, O19K Port Alsworth, O19K Port Alsworth, N19K Bonanza Creek, N19K Bonanza Creek, M17K Holitna River, M17K Holitna River, L18K Granite Moutain, L18K Granite Moutain, STLK Strandline Lak, STLK Strandline Lak, SUA Susitna One, SUA Susitna One, G08A Pilot Rock, G08A Pilot Rock, J17K VABM Dome, J17K VABM Dome, GHO Glory Hole Cre, GHO Glory Hole Cre, SCM Sheep Creek Mo, SCM Sheep Creek Mo, N25K Chitina, Valde, N25K Chitina, Valde, KTH Kantisshina Hill, KTH Kantisshina Hill, TRF Thorafore Mount, TRF Thorafore Mount, F15K North Star Dit, F15K North Star Dit, RND Reindeer, RND Reindeer, TX31 Lajitas Ar, TX31 Lajitas Ar, TXAR Lajitas Array, TXAR Lajitas Array, H19K Roundabout Mous, H19K Roundabout Mous, MENT Mentasta, MENT Mentasta, WRH Wood River Hill, WRH Wood River Hill, H21K Melozitina Riv, H21K Melozitina Riv, CCB Clear Creek Bu, CCB Clear Creek Bu, BCAR Beaver Creek A, BCAR Beaver Creek A, IMAR Indian Moutai, IMAR Indian Moutai, IL31 IL31, IL31 IL31, ILAR Eielson Array, ILAR Eielson Array, J25K Salcha River, J25K Salcha River, G21K Allakaket, G21K Allakaket, PDAR Pinedale Array, PDAR Pinedale Array, BVAR Borovoye Array, BVAR Borovoye Array, BATG Bathurst New B, BATG Bathurst New B, SPITS Spitsbergen Ar, SPITS Spitsbergen Ar, GBN Gainsborough, GBN Gainsborough, ARTI Art, ARTI Art, ABKAR Abkulkar array, ABKAR Abkulkar array, FINES FINESS Array B, FINES FINESS Array B, AKAS Malin Array B, AKAS Malin Array B, AKAB Malin Array B, AKAB Malin Array B, AKBB Malin Array Si, AKBB Malin Array Si, KIEV Kiev, KIEV Kiev, AK05 Malin Array Si, AK05 Malin Array Si, AKSA Eskdalemuir Ar, AKSA Eskdalemuir Ar, BRKA Keskin Arr B, BRKA Keskin Arr B, BRTR Keskin Array B, BRTR Keskin Array B, BUR08 Buocovina Ar, BUR08 Buocovina Ar, MMAI Mount Meron Ar, MMAI Mount Meron Ar, TIRR Tirsgor, TIRR Tirsgor, MLR Muntele Rosu, MLR Muntele Rosu.

4d 12h

Table with columns: LPID, Sn, Sn, 12 34 11.6 -1.1, comp=N, 86nm, 0.3s, baz=355, slow=1.2, SNR=6.8, etc.

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Table with columns: CBKS Cedar Bluff, KAN13 South Haven SW, OGNE Ogallala, etc.

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Table with columns: P51A Williamsport, BBB Bella Bella, FFC Flin Flon, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PSMG Mucurapo Girls, PSQC Port of Spain, TRN Trinidad (W), etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Array, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, KMG Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PSMG Mucurapo Girls, PSQC Port of Spain, TRN Trinidad (W), etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, PB09 IPOC Station P, etc.

IDC 04 14:13:12.0, 1.0, 4.0, 74S, 127.88E, h0km, mb3.4/6, mbmp3.4/6, MS3.3/2, Error ellipse: s-maj=135.7km s-min=20.3km az=69.0

IDC 04 14:32:02.2, 11.08N, 61.55W, h51km, MD4.4, North of Trinidad, Felt widely in Trinidad, MMI IV, V, VI

SJA 04 14:53:26.0, 22.56S, 67.91W, h208km, ML3.5 GUC 04 14:53:29.0, 0.8, 22.48S, 68.04W, h122km, qkm, ML3.5

DJA 04 14:13:15.9, 0.2, 1.5, 2.2, 12.8E, h10km, M4.0/17, mB4.9/1, mb4.9/1, ML3.9/2, ML4.0/21, ML4.0/21

IDC 04 14:13:15.5, 2.2, 0.83S, 0.07, 127.50E, 0.08, h16km, 16km, n20, c190/21, mb3.5/5, Halmahera

IDC 04 15:03:27.3, 2.0, 18.96S, 169.15E, h145km, 18km, mb3.8/11, mbmp4.2/13, Error ellipse: s-maj=19.5km s-min=15.9km az=156.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBMI Labuha, TNTI Ternate, SANI Sanana, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FDF Fort de France, ILAM Illet Lapin Mar, ILAM Illet Lapin Mar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TA01 Diego Aracena, GO02 Mina Guanaco, GO02 Mina Guanaco, etc.

SCB 04 14:32:31.2, 1.1, 22.19S, 67.53W, h176km, 17km, ML3.0/2, MW2.8, Error ellipse: s-maj=6.2km s-min=5.0km az=1.0

IDC 04 14:32:30.8, 2.5, 22.22S, 0.07, 67.51W, 0.05, h182km, 23km, n17, c086/26, 3C, Chile-Bolivia border region

IDC 04 15:03:27.3, 2.0, 18.96S, 169.15E, h145km, 18km, mb3.8/11, mbmp4.2/13, Error ellipse: s-maj=19.5km s-min=15.9km az=156.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, PB09 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCDR Punta Cana, DR, MDP Montagnes des, MDP Montagnes des, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DVP Devils Point, DVP Devils Point, DVP Devils Point, etc.

4d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Canberra, Stephens Creek, Warramunga Arr, Alice Springs, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IPOC Station P, Zapla, Cerro La Cruz, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR, KURBB, ZALV, FINES, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like Chichijima, Kuroka, Matsushiro Arr, Marumori, Korea Array, etc.

IDC 04 16:12:51.0.3.4.5:18N:127.68E, h96km, 32km, mb3.6/8, s=mb13.6km az=68.0
NEIC 04 16:12:51.0.1.1.5:05N:0106.127.2E:0.2, h84km, 14km, mb4.1/10, Error ellipse: s-maj=26.1km s-min=5.9km az=74.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like DAV Davao City (W), TMT Ternate, LUWI Luwuk, etc.

BVAR Borovoye Array 66.57 327 P P 16 23 31.6 +1.2
comp=2.0,6nm,0.5s,baz=62,slow=4.9,SNR=6.6
comp=2.0,6nm,0.5s

CATAC 04 16:23:47.0.4.9.14:N:11:9'0W:2'9, h5km, M3.8/6, MLVg.8.2, Error ellipse: s-maj=64.1km s-min=17.6km az=74.2

SNET 04 16:23:39.1.1.7.13:48N-90.76W, h13km, ML4.1, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like NUBE Las Nubes, LOAL Lomas de Alarc, etc.

MOS 04 17:17:31.2.1.0.34:25N:45:44E, h10km, mb4.3/11, Error ellipse: s-maj=11.0km s-min=4.7km az=99.6
IDC 04 17:17:32.0.0.3.4:27N:45:54E, h0km, mb3.8/19, mbmp3.8/26, ML3.5/7, MS3.1/8, Error ellipse: s-maj=16.3km s-min=12.1km az=161.0

TEH 04 17:17:33.8.3.4:32N:45:61E, h8km, 24km
AFAD 04 17:17:39.5.3.4:36N:45:01E, h6km, 3km, MW4.1
ISC 04 17:17:33.3.1.7.34:27N:0104:45:7E:0.1, h10km, n187, r161/208, mb4.1/32, MS3.2/7, 8C-3D, Iran-Iraq border

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like KGS1 Ghar-e-Shirin, GLG1 Gilan-e-Gharb, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like KBZ Khabaz, KIV Kislovodsk, CSS Mathias, etc.

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4d 18h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Ala-Archa, Kirov, Ojcow, Suwalki, Borovoye Array, etc.

ISN 04 18:02:36.9,1.4,34.33N,45.74E, h5km, 13km, ML2.8
TEH 04 18:02:40.1,34.35N,45.64E, h10km, 64km
ISC 04 18:02:39.7,1.1,34.37N,0.06,45.66E,0.05, h17km, 11km, n10, r1909/12, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Ghasr-e-Shirin, Gilan-e-Gharb, etc.

IDC 04 18:06:02.2,1.0,5.20N,73.54W, h157km, 5km, mb3.2/7, mbtm3.7/8, Error ellipse: s-maj=33.3km s-min=13.0km az=143.0

RSNC 04 18:06:04.2,0.0,5.1N,1.7,7.4W, h148km, 2km, M3.5, mb4.1, mB5.9, ML3.3, Mw(m)B5.0

ISC 04 18:06:02.7,0.7,5.30N,0.05,73.70W,0.06, h158km, 5km, n23, r090/36, mb3.3/7, Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like San Pablo de B, Chingaza, El Rosal, etc.

IDC 04 18:06:24.9,1.8,3.63S,150.22E, h0km, mb3.3/4, mbtm3.4/5, ML1.5/1, Error ellipse: s-maj=83.7km s-min=22.6km az=115.0

ISC 04 18:06:27.6,1.7,3.65S,0.2,150.2E,0.5, h19km, n6, r06/69/7, mb3.3/4, New Ireland region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Port Moresby, Warramunga Arr, etc.

IDC 04 18:15:21.8,1.0,1.48N,126.09E, h0km, mb3.7/6, mbtm3.7/7, ML3.7/1, Error ellipse: s-maj=98.9km s-min=16.8km az=69.0

DJA 04 18:15:24.6,0.2,2.3N,12.6E, h10km, M4.0/17, mb4.2/5, ML4.0/17

ISC 04 18:15:23.7,0.8,1.66N,109.12650E,0.08, h10km, n18, r1941/20, mb3.8/6, Northern Molouca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, etc.

IDC 04 18:17:12.5,7.0,19.97S,179.04W, h0km, mb3.8/4, mbtm3.8/4, Error ellipse: s-maj=261.8km s-min=52.5km az=143.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Alice Springs, Warramunga Arr, etc.

AKASG Malin Array Be 142.07 331 PKP PKPdf 18 36 44.4 -2.1
0.3nm, 0.5s, baz=43, slow=3.6, SNR=4.9
MMAI Mount Meron Ar 146.70 300 PKPab PKPab 18 36 58.4 +0.4
8.8nm, 1.0s, baz=64, slow=6.6, SNR=1.8

DJA 04 18:17:45.2,0.8,9.8S,4.11E, h27km, 8km, M3.6/19, mb3.9/4, MLV3.4/19, Jawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Pacitan, Wanaagama, etc.

WEL 04 18:25:05.6,0.7,39.9S,4.17E, h25km, 8km, M3.4/10, ML3.7/10, MLV3.4/10, Error ellipse: s-maj=7.1km s-min=3.9km az=132.3, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Mahia Peninsula, Kokohu, etc.

DJA 04 18:28:08.2,0.4,0.0N,3.12E, h174km, 5km, M3.9/13, mB5.5/1, mb4.0/3, MLV3.8/13, Mw(m)B5.0/1, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Luwuk, Cibinong, etc.

TAP 04 18:43:41.5, 24.99N, 122.33E, h25km, 1km, ML1.8, D, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Santiao Chiao, Grass Mountain, etc.

JMA 04 18:43:35.2,0.1,24.5N,0.6,123.7E,0.3, h7km, MV0.8/7, NEAR ISHIGAKIJIMA ISLAND, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Iriomote-Funau, Kuro-shima, etc.

IDC 04 19:02:60.0.1.8, 56:39N:161:38E, h0km, mb3.4/2, mbtmp3.3/3, ML2.3/1, Error ellipse: s-maj=94.0km

s-min=25.7km az=134.0

KRSC 04 19:03:00.3.0.8, 55:14N:163:37E, h24km, 27km, ML3.7

ISC 04 19:03:01.6.1.0, 55:24N:163:31E, h10km, n29,

e127/31, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KBTR, KBG, BKI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PETK, RUS, OSSR, etc.

SNET 04 19:07:04.6.1.1, 12:36N:88:38W, h15km, 11km, ML3.5
ISC 04 19:06:53.2.0.2, 11:38N:01:88:64W, h10km, n27,
e095/28, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LCLD, PACN, etc.

SNET 04 19:16:51.1.0.8, 12:78N:88:25W, h79km, 84km, ML2.9
ISC 04 19:16:51.2.1.9, 12:56N:0:09:88:30W, h35km, n20,
e110/21, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CNCH, LCLD, etc.

IDC 04 19:25:34.3.6.1, 20:35S:177:73W, h0km, mb3.6/3,
mbtmp3.6/3, Error ellipse: s-maj=192.2km
s-min=97.8km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STKA, ASAR, etc.

BGR 04 19:27:33.7.1.0, 39:56N:19:74E, h10km, ML4.8, Error
ellipse: s-maj=28.9km s-min=14.5km az=42.0
BEO 04 19:27:35.4.0.6, 39:89N:19:63E, h9km, 3km, ML4.5/4
GII 04 19:27:35.9.0.0, 39:165N:0:003:19:390E:0:001, h10km,
confirmed
MOS 04 19:27:36.6.1.1, 40:17N:19:60E, h14km, mb4.8/37,
MS4.0/9, Error ellipse: s-maj=3.8km s-min=2.3km az=88.2
PDG 04 19:27:36.0.3.0, 40:15N:19:70E, h4km, 1km, MD4.6/9,
ML4.5/12, Error ellipse: s-maj=0.5km s-min=1.2km az=0.0

THE 04 19:27:36.7.0.26N:19:71E, h5km, 2km, ML4.6/10, Error
ellipse: s-maj=2.9km s-min=0.7km az=140.0

IDC 04 19:27:37.0.0.4, 40:24N:19:73E, h0km, mb4.4/29,
mbtmp4.4/4, ML4.0/13, MS3.9/65, Error ellipse:
s-maj=8.5km s-min=7.8km az=172.0

TIR 04 19:27:38.1.4.0, 06N:19:88E, h28km, 1km, MD4.4/7,
M4.8/11

NEIC 04 19:27:38.7.2.5, 40:19N:0:04:19:73E:0:04, h13km, 2km,
mb4.8/120, Error ellipse: s-maj=6.2km s-min=4.4km
az=161.0

MED_RC 04 19:27:39.0.0.2, 40:06N:19:78E, h16km, 1km, MW4.6/32,
Moment Tensor Solution, Mantle waves: s32 c36;
Duration: 1s1 Moment tensor: Scale 10^18N;
M0: 1.0E+06; Mxx: 0.21E+06; Mxy: 0.32E+04; Mxz: 0.02E+08;
Myx: 1.02E+03; Myz: 0.19E+09; Best double couple:
M0: 0.70000E+10; NP1: 0.2770000E+08, 0.800000E+00;
lambda: -1.00000E-02; NP2: 0.700000E+08, 0.800000E+00;
lambda: -1.00000E-02; Principal axes: T: 1.0100, Plg6.0000E+00, Azm142.0000E+00; N:
0.1100, Plg8.0000E+00, Azm12.0000E+00; P: -1.1300, Plg8.0000E+00,
Azm233.0000E+00; nstai refers to body waves. nstae2 refers
to surface waves. cutoff=35s.

SKO 04 19:27:39.3.40:20N:19:82E, h10km, ML4.6
NAO 04 19:27:40.7.40:20N:19:82E, h10km, mb4.8

MCSM 04 19:27:42.7.0.4, 41:14N:4:2E, h14km, mb4.8, mB5.3,
MLV5.1, Mw(mB)4.7

AFAD 04 19:27:51.0.40:27N:20:48E, h42km, MW4.6
ISC 04 19:27:38.7.0.4, 40:12N:0:02:19:79E:0:02, h16km, 4km,
n1090, e194/1130, mb4.8/111, MS4.0/59, 80C-57D,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SRN, KEK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VLO, LSK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LSK, LFKM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KBN, JAN, etc.

SNET 04 19:16:51.1.0.8, 12:78N:88:25W, h79km, 84km, ML2.9
ISC 04 19:16:51.2.1.9, 12:56N:0:09:88:30W, h35km, n20,
e110/21, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like OHR, FNA, etc.

IDC 04 19:25:34.3.6.1, 20:35S:177:73W, h0km, mb3.6/3,
mbtmp3.6/3, Error ellipse: s-maj=192.2km
s-min=97.8km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PPH, EVGI, etc.

DRME Dracevia, Mon
MKR Makrakomon, Fth
GRG Grava, K
RTZL Ratzalki, Kefa
NOCI Noci
NOCI comp=N,56nm,0.6s

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ANX, BCI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BUM, PDG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VAY, VAY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like THME, CEME, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LTHK, HORT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SJE, SJE, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BTH, BTH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BOVS, BOVS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ZAPS, ZAPS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HAPS, HAPS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RZN, RZN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ALN, ALN, etc.

4d 19h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like AKTU, ARCES, ABKAR, ARTI, etc.

2019 JAN

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like NRIK, KIBK, SFJD, WMQO, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like E25K, C18K, G30M, C17K, etc.

I21K	Tanana	74.83 356	P	P	19 39 19.2 +1.3
DAWY	Dawson	74.85 351	P	P	19 39 19.9 +1.9
COLA	College	74.89 355	eP	P	19 39 18.8 +0.6
J26L	Joseph Creek	74.89 353	P	P	19 39 19.7 +1.3
ILAR	Eielson Array	74.92 354	P	P	19 39 19.0 +0.6
ILAR	comp=Z,4.0nm,1.1s				
J25K	Salcha River,	74.95 353	P	P	19 39 19.7 +1.0
H18K	Honhosa River	75.05 359	P	P	19 39 20.5 +1.3
G15K	Niukluk	75.18 2	P	P	19 39 21.5 +1.6
NEA2	Nenana	75.25 355	P	P	19 39 21.5 +1.1
H17K	Granite Mounta	75.28 360	P	P	19 39 20.8 +0.3
HDA	Harding Lake	75.28 354	P	P	19 39 21.5 +1.0
I20K	Naaghedeneel	75.32 357	P	P	19 39 22.1 +1.4
GCSA	Galena City Sc	75.44 359	P	P	19 39 23.0 +1.6
SCRK	Sand Creek	75.44 353	P	P	19 39 22.9 +1.3
H16K	Elim	75.56 1	P	P	19 39 23.1 +1.7
ANM	Nome	75.57 2	P	P	19 39 23.4 +1.2
L29M	L29M	75.61 350	P	P	19 39 23.6 +1.1
FARO	Faro, Yukon	75.72 347	IAMB	IAMB	19 39 31.6
FARO	Faro, Yukon	75.72 347	P	P	19 39 25.1 +2.0
RIDG	Independent R	75.76 353	P	P	19 39 25.2 +1.9
KOTAN	Kotanelele Air	75.77 342	P	P	19 39 25.0 +1.6
K24K	Donnelly Dome	75.78 353	P	P	19 39 25.5 +2.1
BPWA	Bear Paw Mtn.	75.86 356	P	P	19 39 25.0 +1.1
M31M	Drury Creek,	75.91 348	P	P	19 39 26.0 +1.8
J20K	Nowinta River	75.93 357	P	P	19 39 25.3 +1.1
MCK	McKinley	76.10 355	P	P	19 39 26.1 +0.9
BCAR	Beaver Creek A	76.10 351	P	P	19 39 24.5 -0.8
L27K	Beaver Creek	76.14 351	P	P	19 39 25.6 +1.2
CHUM	Lake Minchumin	76.15 356	P	P	19 39 26.6 +1.1
J19K	Poorman	76.16 358	P	P	19 39 26.2 +0.7
USRK	Ussuriysk Ar.	76.25 43	P	P	19 39 28.4 +2.0
USRK	comp=Z,64nm,18.8s,baz=341,slow=37				20 14 47.8
M29M	Somme Creek	76.29 350	P	P	19 39 27.4 +0.9
L26K	Log Cabin Wild	76.31 352	P	P	19 39 27.3 +0.8
NJ2	Nanjing	76.32 60	eP	P	19 39 26.2 -0.8
TRF	Thorare Moun	76.47 355	P	P	19 39 28.1 +0.5
PAXT	Paxson	76.57 353	P	P	19 39 28.4 +0.4
CAST	Castle Rocks	76.60 356	P	P	19 39 28.2 +0.2
BVCY	Beaver Creek	76.62 351	P	P	19 39 29.0 +0.7
DHY	Denali Highway	76.63 354	P	P	19 39 29.1 +0.7
N32M	Quiet Lake	76.68 347	P	P	19 39 29.1 +0.4
J18K	Innokov River	76.72 358	P	P	19 39 29.6 +0.9
K20K	Telida	76.75 357	P	P	19 39 29.9 +1.0
M27K	Edge Creek, AK	76.80 351	P	P	19 39 29.8 +0.5
N31M	Græburn, Yuko	76.81 348	P	P	19 39 30.2 +0.8
J17K	VABM Dome	76.82 359	P	P	19 39 30.0 +0.7
M26K	Nabesna, AK	76.88 352	P	P	19 39 30.7 +1.0
TKL	Tuckaleechee C	76.94 306	LR	LR	20 12 45.8
J16K	Anvik River	76.94 0	P	P	19 39 31.2 +1.2
WAT1	Susitna Watana	76.97 355	P	P	19 39 30.7 +0.5
N30M	Aishikik Lake	77.03 349	IAMB	IAMB	19 39 36.0
N30M	Aishikik Lake	77.03 349	P	P	19 39 31.2 +0.5
HARP	HAARP	77.11 353	P	P	19 39 31.1 +0.2
PPLA	Purkeypile	77.12 356	P	P	19 39 31.7 +0.5
WAT6	Susitna Watana	77.15 354	P	P	19 39 31.1 -0.2
TOAD	Toad River Com	77.19 342	P	P	19 39 31.2 -0.3
YUK3	Moose Creek	77.19 351	P	P	19 39 31.6 -0.1
YUK4	Talbot Arm	77.37 350	P	P	19 39 32.1 -0.6
J14K	Nanvaranak Lak	77.44 2	P	P	19 39 33.1 +0.4
WHY	Whitehorse	77.45 348	P	P	19 39 32.9 -0.1
M24K	Tolsona, Glenn	77.49 353	P	P	19 39 33.7 +0.6
K17K	Iditarod	77.50 359	P	P	19 39 33.0 -0.1
CUT	Chulitna	77.50 355	P	P	19 39 33.0 -0.1
P33M	Teslin, Yukon	77.51 346	P	P	19 39 33.2 -0.2
O30N	Mendenhall	77.54 348	P	P	19 39 33.3 -0.1
YU8K	Steele Glacier	77.58 350	P	P	19 39 33.8 -0.1
L20K	Farewell, AK	77.62 357	P	P	19 39 34.0 +0.2
HYT	Haines Junctio	77.70 349	P	P	19 39 34.5 0.0
YUK6	Outpost Mounta	77.71 349	P	P	19 39 34.9 +0.2
N25K	Chitina, Valde	77.83 352	P	P	19 39 35.1 0.0
SCM	Sheep Creek Mo	77.86 354	P	P	19 39 35.1 -0.1
K15K	Wolf Creek Mou	77.92 1	P	P	19 39 35.6 +0.1
R33M	Jennings River	77.92 345	P	P	19 39 35.4 -0.4
M23K	Glacier View	77.93 354	P	P	19 39 35.6 0.0
L19K	White Mountain	77.95 357	IAMB	IAMB	19 39 41.2
L19K	White Mountain	77.95 357	P	P	19 39 36.2 +0.5
SML	Sawmill	77.96 354	P	P	19 39 36.0 +0.2
L18K	Granite Mounta	77.97 358	IAMB	IAMB	19 39 59.2
L18K	Granite Mounta	77.97 358	P	P	19 39 35.4 -0.4
SKT	Skwentna	78.00 356	P	P	19 39 35.8 -0.2
KLU	Klutina	78.07 353	P	P	19 39 35.9 -0.5

L17K	Donlin	78.08 359	P	P	19 39 36.1 -0.2
M22K	Willow	78.14 355	P	P	19 39 36.7 0.0
M20K	Styx River	78.18 357	P	P	19 39 36.1 -0.9
K13K	Kusivak Mount	78.23 2	P	P	19 39 37.3 +0.1
PMR	Palmer	78.23 355	P	P	19 39 36.5 -0.7
P32M	Atlin	78.26 347	P	P	19 39 37.3 -0.1
P30M	Million Dollar	78.29 348	P	P	19 39 36.7 -0.9
O29M	Mount Kennedy	78.36 349	P	P	19 39 37.8 -0.3
KNK	Knik Glacier	78.36 354	P	P	19 39 37.8 -0.2
BMRM	Bremner River	78.46 352	P	P	19 39 37.7 -0.8
L16K	Owhat River	78.51 360	P	P	19 39 38.2 -0.6
KSRS	Stony River	78.53 51	P	P	19 39 39.6 +0.3
KSRS	comp=Z,7.4nm,0.9s,baz=321,slow=5.0,SNR=14				20 19 15.4
L15K	Ungalak Mounta	78.54 1	P	P	19 39 38.6 -0.3
Q32M	Nakina River	78.58 346	P	P	19 39 38.6 -0.9
DLBO	Deas Lake	78.62 344	LR	LR	20 17 28.2
SKAG	Skagway	78.66 347	P	P	19 39 39.6 0.0
M18K	Stony River	78.67 358	P	P	19 39 39.9 +0.2
ECSD	EROS Data Cent	78.75 319	IAMB	IAMB	19 39 42.5
RC01	Rabbit Creek A	78.78 355	P	P	19 39 40.7 +0.4
P1NM	Pinnacle	78.79 350	P	P	19 39 38.9 -1.6
M17K	Hollita River	78.80 359	P	P	19 39 39.4 -0.9
SPCR	Spurr Chachaka	78.82 356	P	P	19 39 38.8 -1.8
SPU	Mount Spurr	78.83 356	IAMB	IAMB	19 39 44.6
PLBC	Placid Camp	78.83 348	P	P	19 39 39.6 -0.9
L14K	Kuka Creek	78.87 1	P	P	19 39 39.6 -1.1
P29M	Windy Craggy	78.88 349	P	P	19 39 39.6 -1.2
M16K	Timber Creek	79.20 359	P	P	19 39 41.8 -0.8
N19K	Bonanza Creek	79.31 357	P	P	19 39 43.5 +0.2
S34M	Telegraph Cree	79.33 345	P	P	19 39 42.1 -1.2
O22K	Cooper Landing	79.38 355	P	P	19 39 42.3 -1.2
M14K	Bethel	79.47 1	P	P	19 39 43.8 -0.2
YSS	Yuzhno-Sakhali	79.52 36	eP	P	19 39 47.3 +2.8
YSS	comp=Z,30nm,1.1s				
M15K	Kasigluk River	79.53 0	P	P	19 39 43.6 -0.8
M11K	Mekoryuk	79.72 3	P	P	19 39 44.7 -0.7
N16K	Nishlik Lake	79.75 359	P	P	19 39 45.2 -0.4
CCM	Cathedral Cave	79.82 312	P	P	19 39 46.1 -0.3
CCM	Cathedral Cave	79.82 312	P	P	19 39 46.1 -0.3
T35M	Bob Quinn	80.01 344	P	P	19 39 45.6 -1.5
PETK	Petrovlovsk-	80.26 24	LR	LR	20 19 18.8
O18K	Koktuh Hills	80.29 357	P	P	19 39 47.7 -0.8
O17K	Koliganek Bris	80.43 358	P	P	19 39 48.5 -0.7
O16K	Kokovk River B	80.62 359	P	P	19 39 49.3 -0.9
EGMT	Eagleton	81.49 328	P	P	19 39 55.6 +0.4
ASAJ	Asahikawa	81.60 38	LR	LR	20 20 01.7
FCAR	Zark Folk Cen	81.82 310	IAMB	IAMB	19 39 59.5
Q17K	Contact Creek	81.91 358	P	P	19 39 56.1 -1.2
RSSD	Black Hills	82.07 323	P	P	19 39 57.3 -1.3
RSSD	Black Hills	82.07 323	P	P	19 39 57.3 -1.3
KDAK	Kodiak Island	82.25 356	LR	LR	20 19 34.0
KDAK	Kodiak Island	82.25 356	P	P	19 39 57.9 -1.0
WHAR	Woolly Hollow	82.33 310	IAMB	IAMB	19 40 02.4
OHAK	Old Harbor	82.84 356	P	P	19 40 01.7 -0.2
JUNU	Nakatsue	83.25 52	LR	LR	20 20 48.4
P0BK	Saint George I	83.32 5	P	P	19 40 04.0 -0.4
SII	Sitkinak Islan	83.55 357	P	P	19 40 04.8 -0.9
BDFB	Brasilija	83.86 244	P	P	19 40 09.2 +1.3
BDFB	comp=Z,1.7nm,0.4s,baz=128,slow=1.9,SNR=4.4				20 18 44.0
NEW	Newport	84.07 333	P	P	19 40 07.4 -1.2
NEW	Newport	84.07 333	LR	LR	20 18 49.9
NEW	Newport	84.07 333	P	P	19 40 07.4 -1.2
SDV	Santo Domingo	84.67 277	P	P	19 40 10.2 -2.2
DLMT	Dillon	84.79 328	P	P	19 40 13.0 +0.6
MJAR	Matsuhiro Arr	85.03 45	P	P	19 40 14.2 +0.5
MOOW	Moose Ponds	85.34 326	P	P	19 40 14.2 -1.1
N23A	Red Feather La	85.46 322	P	P	19 40 15.5 -0.6
PDAR	Pinedale Array	85.63 325	P	P	19 40 15.3 -1.5
F10A	Beach Ranch, E	86.05 332	IAMB	IAMB	19 40 23.0
WMOK	Wichita Mounta	86.44 314	P	P	19 40 20.3 -0.4
WMOK	Wichita Mounta	86.44 314	P	P	19 40 23.8
WMOK	Wichita Mounta	86.44 314	P	P	19 40 20.3 -0.4
NIKH	Nikolski High	86.98 5	P	P	19 40 21.9 -1.0
BMO	Blue Mountains	87.04 331	P	P	19 40 22.3 -1.2
BMO	Blue Mountains	87.04 331	P	P	19 40 22.3 -1.2
BMO	Blue Mountains	87.04 331	P	P	19 40 22.3 -1.2
T25A	Trinidad	87.62 319	P	P	19 40 26.2 -0.5
MFID	Camas Ranch	87.69 329	IAMB	IAMB	19 40 30.0
S22A	4UR Ranch, Cre	88.36 320	P	P	19 40 29.2 -1.0

DUG	Dugway, Tooele	89.14 326	P	IAMB	19 40 32.7 -0.9
DUG	Dugway, Tooele	89.14 326	P	P	19 40 36.4
DUG	Dugway, Tooele	89.14 326	P	P	19 40 32.7 -0.9
ANMO	Albuquerque	90.37 319	LR	LR	20 23 03.2
YBH	Yreka Blue Hor	91.70 333	LR	LR	20 26 54.3
R11B	Troy Canyon, C	91.86 326	P	P	19 40 45.4 -1.0
SAND	Sanderson	91.89 313	IAMB	IAMB	19 40 52.8
ALPN	Alpine	92.42 314	IAMB	IAMB	19 40 51.8
NVAR	Mina Array Bea	92.92 328	P	P	19 40 52.4 +1.1
NVAR	comp=Z,0.8nm,0.8s,baz=28,slow=3.0,SNR=3.7				20 22 54.1
TXAR	Lajitas Array	93.23 313	P	P	19 40 55.0 +2.2
TXAR	Lajitas Array	93.23 313	P	P	19 40 55.0 +2.2
PFO	Pinyon Flats O	96.23 325	LR	LR	20 25 56.8
CPUP	Villa Florida	97.46 242	LR	LR	20 25 25.3
LPAZ	La Paz	98.76 256	LR	LR	20 25 40.4
WRA	Warramunga Arr	121.15 91	PKP	PKP	19 46 31.8 +0.6
ASAR	Alice Springs	122.72 94	PKP	PKP	19 46 34.1 -0.3

BEO 04 19:39:11.5:0.6,39:99N:19:48E,h0km,ML3.5/3
TIR 04 19:39:12.1:0.9,96N:19:71E,h32km,Md3.8,ML4.0/7
IDC 04 19:39:12.2:0.8,40:24N:19:76E,h0km,mb3.7/15
mbtmp3.6/24,ML3.6/7,MS2.8/1,Error ellipse:
s-maj=14.1km s-min=12.0km az=32.0
PDG 04 19:39:14.7:0.4,40:15N:19:76E,h10km,ML3.7/10,
Error ellipse: s-maj=1.2km s-min=1.7km az=0.0
NAO 04 19:39:15.6:40:20N:19:82E,h10km,mb3.5
SKO 04 19:39:15.4:40:16N:19:80E,h10km,ML3.6
THE 04 19:39:15.7:40:14N:19:85E,h0km,2km,ML3.6/7,Error
ellipse: s-maj=2.3km s-min=0.7km az=115.0
ISC 04 19:39:14.1:0.9,40:13N:0:02,19:75E,0.03,h14km,g6km,
n162,e1971/216,mb3.7/14,24C-14D,Albania

Code	Station Name	A°	AZ°	Phase ID	Time	Res
SRN	Sarande	0.31	143	Op	ISC	h m s
SRN				Pg	h m s	ISC
SRN				Sg	h m s	ISC
SRN	46nm,0.8s			AML	h m s	ISC
SRN	Sarande	0.31	143	P	19 41 55.8	
SRN</						

Table of astronomical observations for 4d 19h, listing station names, coordinates, and observation details.

Main table of astronomical observations for 2019 JAN, listing station names, coordinates, and observation details.

Table of astronomical observations for 210, listing station names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like Gurin_SVAS, Camardi-Nigde, Nari-Kahraman, etc.

IDC 04 22:01:14.8-1.0, 34:08N:45:50E, h0km, mb3.8/14, mtimp3.8/21, ML3.4/6, MSZ.6/1, Error ellipse: s-maj=21.8km s-min=12.6km az=169

MOS 04 22:01:15.1-1.4, 33:91N:45:48E, h17km, mb4.2/9, Error ellipse: s-maj=14.8km s-min=7.6km az=81.8

TEH 04 22:01:17.5, 34:31N:45:64E, h10km, 13km ISN 04 22:01:17.4-0.6, 34:34N:45:62E, h18km, km, ML3.8

ISC 04 22:01:18.9-0.5, 34:26N:0:03-45:59E, 0.04, h18km, n98, e186/98, mb3.9/17, 4-6/6D, Iran-Iraq border region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like GKS1, GLG1, IDHR, IGHG, ILBA, etc.

Main table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like MMAI, TPRV, KIV, EIL, SHYM, RAYN, BANOM, NAZE, MAFZ, ASUD, MDH, UOOS, HATD, MZR, ASHO, ALNE, SOHO, WSAR, WSAR, BELG, AKTO, AKASO, AKASG, AKTB, AKTI, AKASG, KIRV, BVAR, KURBB, KURK, FINES, MK31, MKAR, MKAR, HFS, ZALV, ZALV, ZALV, NOA, ARCES, ESCD, NRK, NRK, TOR, SPITS, ULN, ULN, CMAR, HIA, HIA, TIXI, TIXI, SEY, SEY, SEY, YKA, JMA, NEIC, IDC, ISC, JHCJ, JHCJ, JHJ2, JHJ2, JHJ2, JMKM, JMYK, JMYK, JKO, JTHV, BSO1, JIM2, BSO3, BSO4, JIZS, JOD2, JOD2, HMMU.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res. Includes stations like TTO1, JYN, JGF, MJAR, MJAR, MAJO, MJBS, JMM, JMM, JNU, H11N2, H11N1, H11N3, H11S3, H11S1, H11S2, SONM, SEY, LUWI, MKAR, MKAR, KURBB, KURBB, E19K, G20K, KDKAK, G21K, B21K, B21K, E21K, E21K, H21K, H21K, D22K, D22K, SLKM, C23K, C23K, WB0, BVAR, WRAB, WRB, WRA, E24K, E24K, C24K, C24K, H24K, H24K, F24K, G24K, G24K, SCM, ILAR, ILAR, D25K, F25K, E25K, E25K, BMAR, F26K, F26K, SCRK, SCRK, E28M, E28M, I28M, AS31, ASAR, E29M, H29M, G29M, M29M, M29M, L29M, L29M, EPYK, K29M, G30M, G30M, I30M, I30M, J30M, J30M, H31M, M31M, M31M, ABUK, C36M, C36M, FORT, SPITS, EUNU, EUNU, RES, RES, YKA, YKA, FINES, HFS, NOA.

comp=Z,0.4nm,0.7s
NVAR **Mina Array Bea** 78.33 52 P 22 16 56.6 +0.7
 comp=Z,0.4nm,0.6s,baz=304,slow=5.1,SNR=1.6
PDAR **Pinedale Array** 81.33 44 P 22 17 11.9 -0.1
 comp=Z,0.2nm,0.5s,baz=316,slow=4.7,SNR=2.6
CLL **Collm** 84.19 330 eP 22 17 28.0 +1.7
TXAR **Lajitas Array** 93.48 52 P 22 18 12.3 +1.2
 comp=Z,1.2nm,0.7s,baz=300,slow=3.0,SNR=12
LPAZ **La Paz** 149.56 64 PKPbc PKPbc 22 24 45.6 +0.2
 comp=Z,1.2nm,0.5s,baz=9.6,slow=5.2,SNR=3.3

NEIC 04 22:18:56.6:2.9,21°01'S:0°05'69".14W:0.06',h140km,6km,
 mb4.74,Error ellipse: s-maj=8.1km s-min=7.2km az=73.0
 SJA 04 22:18:57.3:0.7,21°06'S:69.17W,h130km,3km,ML3.9,
 MW3.9
 GUC 04 22:18:59.4:0.8,21°03'S:68.98W,h105km,4km,ML4.2
 IDC 04 22:19:16.8:7.5,19°59'S:68.22W,h224km,49km,mb3.2/4,
 mbtmp3.7/5,Error ellipse: s-maj=93.3km s-min=30.3km
 az=21.0

ISC 04 22:18:57.2:0.7,21°03'S:0°03'69".10W:0.06',h130km,6km,
 n58,r170/74,mb3.8/3C-2D,Northern Chile

Code	Station Name	Δ°	AZ°	Phase	ISC	h	m	s	ISC	Res
PB01	IPOC Station P	0.37	268		Pn	22	19	15.8	0.0	
PB01	IPOC Station P	0.37	268	/iP	Pn	22	19	28.8	-0.9	
PB01	IPOC Station P	0.37	268	/s	Pn	22	19	15.8	0.0	
PB01	IPOC Station P	0.37	268	/eS	Pn	22	19	28.7	-1.1	
PB01	IPOC Station P	0.37	268	/I	Pn	22	19	29.5		
PB09	IPOC Station P	0.77	190	/iP	Pn	22	19	18.6	+0.2	
PB09	IPOC Station P	0.77	190	/eS	Pn	22	19	33.6	-0.8	
PX03	IPOC Station P	0.80	321	/eP	Pn	22	19	18.8	+0.2	
PX03	IPOC Station P	0.80	321	/s	Pn	22	19	34.5	-0.2	
PX03	IPOC Station P	0.80	321	/I	Pn	22	19	35.2		
PB08	IPOC Station P	0.89	356	/eP	Pn	22	19	19.9	+0.3	
PB08	IPOC Station P	0.89	356	/s	Pn	22	19	36.3	-0.2	
PB08	IPOC Station P	0.89	356	/iP	Pn	22	19	20.6	+0.9	
PB08	IPOC Station P	0.89	356	/eS	Pn	22	19	36.1	-0.5	
PB08	IPOC Station P	0.89	356	/I	Pn	22	19	37.5		
PB08	IPOC Station P	0.89	356	/eP	Pn	22	19	20.6	+0.9	
PB08	IPOC Station P	0.89	356	/eS	Pn	22	19	37.6	+1.0	
PB08	IPOC Station P	0.89	356	/I	Pn	22	19	38.2		
TA01	Diego Aracena	1.12	294		Pn	22	19	22.6	+1.3	
TA01	Diego Aracena	1.12	294	/s	Pn	22	19	40.6	+1.1	
TA01	Diego Aracena	1.12	294	/eP	Pn	22	19	22.7	+1.5	
TA01	Diego Aracena	1.12	294	/s	Pn	22	19	41.0	+1.6	
TA01	Diego Aracena	1.12	294	/eP	Pn	22	19	41.9		
TA01	Diego Aracena	1.12	294	/eS	Pn	22	19	22.8	+1.5	
TA01	Diego Aracena	1.12	294	/I	Pn	22	19	39.8	+0.3	
TA01	Diego Aracena	1.12	294	/I	Pn	22	19	42.5		
TA02	Huaiquique	1.23	308		Pn	22	19	23.7	+1.3	
TA02	Huaiquique	1.23	308	/s	Pn	22	19	42.3	+0.7	
TA02	Huaiquique	1.23	308	/eP	Pn	22	19	24.0	+1.6	
TA02	Huaiquique	1.23	308	/s	Pn	22	19	42.7	+1.1	
TA02	Huaiquique	1.23	308	/eS	Pn	22	19	42.7	+1.1	
TA02	Huaiquique	1.23	308	/I	Pn	22	19	42.7	+1.1	
GO01	Chusmiza	1.36	356		Pn	22	19	25.5	+1.1	
GO01	Chusmiza	1.36	356	/iP	Pn	22	19	25.9	+1.0	
GO01	Chusmiza	1.36	356	/s	Pn	22	19	25.9	+1.1	
GO01	Chusmiza	1.36	356	/eP	Pn	22	19	45.8	+0.9	
GO01	Chusmiza	1.36	356	/eS	Pn	22	19	25.6	+1.3	
GO01	Chusmiza	1.36	356	/I	Pn	22	19	46.3	+1.4	
AF01	San Pedro de A	2.09	156		Pn	22	19	33.8	+1.1	
AF01	San Pedro de A	2.09	156	/s	Pn	22	20	00.5	+0.8	
AF01	San Pedro de A	2.09	156	/eP	Pn	22	19	34.0	+1.4	
AF01	San Pedro de A	2.09	156	/eS	Pn	22	20	01.5	+1.8	
AF01	San Pedro de A	2.09	156	/I	Pn	22	20	24.2		
PB12	IPOC Station P	2.67	334	/iP	Pn	22	19	40.5	+0.8	
PB12	IPOC Station P	2.67	334	/eP	Pn	22	19	40.8	+1.0	
PB12	IPOC Station P	2.67	334	/s	Pn	22	20	13.0	+0.5	
PB12	IPOC Station P	2.67	334	/eS	Pn	22	20	11.7	-0.8	
PB12	IPOC Station P	2.67	334	/I	Pn	22	20	24.3		
PB12	IPOC Station P	2.67	334	/eP	Pn	22	19	40.8	+1.0	
PB12	IPOC Station P	2.67	334	/eS	Pn	22	20	13.0	+0.5	
PB12	IPOC Station P	2.67	334	/I	Pn	22	20	35.4		
AP01	Chacalluta	2.90	336	/eP	Pn	22	19	41.9	-0.6	
AP01	Chacalluta	2.90	336	/I	Pn	22	20	22.7		
PB18	Visviri	3.44	354		Pn	22	19	50.4	+0.2	
PB14	IPOC Station P	3.77	198	/eP	Pn	22	19	53.8	-0.5	
PB14	IPOC Station P	3.77	198	/s	Pn	22	19	54.2	-0.1	
PB14	IPOC Station P	3.77	198	/eS	Pn	22	20	37.6	-0.9	
PB14	IPOC Station P	3.77	198	/I	Pn	22	20	40.4		
GO02	Mina Guanaco	4.14	186	/eP	Pn	22	19	59.0	-0.1	
GO02	Mina Guanaco	4.14	186	/eP	Pn	22	19	59.3	+0.2	
GO02	Mina Guanaco	4.14	186	/eS	Pn	22	19	49.9	+0.2	
GO02	Mina Guanaco	4.14	186	/I	Pn	22	20	48.2	+1.2	
LPAZ	La Paz	4.81	11	/eP	Pn	22	20	10.6	+2.2	
LPAZ	La Paz	4.81	11	/eS	Pn	22	20	11.8	+3.4	
LPAZ	La Paz	4.81	11	/I	Pn	22	20	55.3	-8.3	
LPAZ	La Paz	4.81	11	/eP	Pn	22	20	11.8	+3.4	
AC01	Pan de Azucar	5.28	195	/eP	Pn	22	20	13.3	-0.7	
AC01	Pan de Azucar	5.28	195	/eS	Pn	22	20	13.2	-0.9	
AC01	Pan de Azucar	5.28	195	/I	Pn	22	21	11.9	-2.1	
AC01	Pan de Azucar	5.28	195	/I	Pn	22	21	31.6		
AC06	Mina Casimiro	6.40	190		Pn	22	20	28.0	-1.2	
AC04	Llanos de Chal	7.36	194		Pn	22	20	38.9	-3.2	
LCO	Las Campanas	8.08	190		Pn	22	20	49.4	-2.5	
CO01	Juntas del Tor	8.95	186		Pn	22	21	02.4	-1.3	
GO04	Tololo Observa	9.23	189		Pn	22	21	04.5	-3.0	
CO03	Ei Pedregal	9.87	188		Pn	22	21	13.2	-2.7	
ZON	Zonda	10.48	178		Pn	22	21	22.3	-1.7	
PTLB	Pontes e Lacer	10.97	61		Pn	22	21	29.2	-1.3	
VLB	Vilñena	11.70	48		Pn	22	21	40.4	+0.1	
MT02	Curacav	12.31	188		Pn	22	21	48.0	+0.1	
BI02	San Fabín de	15.69	186		P	22	22	33.0	+0.5	
TXAR	Lajitas Array	60.15	325		P	22	28	56.6	+5.2	
DKNS	Dickens	62.28	330		P	22	29	04.1	-1.6	
DKNS	Dickens	62.28	330	/Iamb	Iamb	22	29	15.9		
SMWD	Samnorwood	63.17	332		P	22	29	08.0	-3.5	
SMWD	Samnorwood	63.17	332	/Iamb	Iamb	22	29	21.9		
DBIC	Dimbokro	68.77	74		P	22	29	49.9	+2.3	
TORD	Tordi Ar. Bea	73.76	71		P	22	30	40.5	+2.3	
YKA	Yellowknife Ar	90.69	341		P	22	31	48.5	+3.8	
H1S2	WAKE ISLAND Hy	27.65	278		T	00	57	54.1		
H1S1	WAKE ISLAND Hy	27.65	278		T	00	57	55.2		
H1S3	WAKE ISLAND Hy	27.66	278		T	00	57	53.4		
H1N1	WAKE ISLAND Hy	27.71	279		T	00	58	12.6		
H1N2	WAKE ISLAND Hy	27.73	279		T	00	58	18.5		
H1N1	WAKE ISLAND Hy	27.73	279		T	00	58	18.1		
MKAR	Makanchi Array	145.36	35	PKP	PKP	22	38	24.4	+0.7	

mb3.6/14,mbtmp4.0/18,MS3.0/2,Error ellipse:
 s-maj=18.7km s-min=10.0km az=116.0
 NEIC 04 22:23:38.7:1.4,60°02'N:0°04'153".48W:0.09,
 h160km,Error ellipse: s-maj=6.7km s-min=6.2km az=134.0
 AEIC 04 22:23:40.1:1.4,60°05'N:0°03'153".46W:0.09,
 h156km,3km,ML3.8,ML4.2/106(NEIC),Error ellipse:
 s-maj=6.3km s-min=4.4km az=86.0
 ISC 04 22:23:38.7:0.6,60°02'N:0°04'153".38W:0.04,
 h161km,5km,n203,r099/211,mb3.9/14,Northern Alaska

Code	Station Name	Δ°	AZ°	Phase	ISC	h	m	s	ISC	Res
ILSW	Iliamna Southw	0.13	106		Op	22	23	59.9	-0.4	
ILSW	Iliamna Southw	0.13	106	/s	Op	22	24	16.3	-0.4	
IVE	Iliamna Volcan	0.18	90		Sn	22	24	00.3	0.0	
IVE	Iliamna Volcan	0.18	90	/s	Sn	22	24	16.9	+0.1	
OPT	Oil Point	0.38	168		Pn	22	24	01.1	+0.4	
OPT	Oil Point	0.38	168	/P	Pn	22	24	01.1	+0.4	
P19K	Oil Pt	0.38	168		Pn	22	24	00.9	+0.2	
P19K	Oil Pt	0.38	168	/s	Pn	22	24	18.0	+0.4	
P19K	Oil Pt	0.38	168	/I	Pn	22	24	01.2	+0.4	
P19K	Oil Pt	0.38	168	/I	Pn	22	24	17.9	+0.3	
O20K	Slope Mountain	0.39	80		S	22	24	01.3	+0.5	
O20K	Slope Mountain	0.39	80	/s	S	22	24	01.2	+0.5	
O20K	Slope Mountain	0.39	80	/I	S	22	24	01.2	+0.5	
O20K	Slope Mountain	0.39	80	/I	S	22	24	17.9	+0.2	
O20K	Slope Mountain	0.39	80	/I	S	22	24	17.9	+0.2	
O19K	Port Alsworth	0.50	291		Pn	22	24	00.8	-0.3	
O19K	Port Alsworth	0.50	291	/s	Pn	22	24	17.3	-1.1	
O19K	Port Alsworth	0.50	291	/I	Pn	22	24	18.0		
O19K	Port Alsworth	0.50	291	/I	Pn	22	24	18.2		
O19K	Port Alsworth	0.50	291	/I	Pn	22	24	00.8	-0.3	
O19K	Port Alsworth	0.50	291	/I	Pn	22	24	17.4	-1.0	
O19K	Port Alsworth	0.50	291	/I	Pn	22	24	17.4	-1.0	
RED	Redoubt Volcan	0.50	37		Sn	22	24	01.4	+0.1	
RED	Redoubt Volcan	0.50	37	/s	Sn	22	24	17.9	-0.8	
NCT	Northern Crescent	0.59	22		Sn	22	24	02.0	+0.2	
NCT	Northern Crescent	0.59	22	/s	Sn	22	24	01.9	-0.6	
AUG22	Augustine Moun	0.65	179		Pn	22	24	02.3	+0.4	
AUG22	Augustine Moun	0.65	179	/s	Pn	22	24	02.3	+0.4	
RDT	Redoubt	0.74	41		Pn	22	24	02.8	+0.2	
O18K	Koktuh Hills	0.93	261		Pn	22	24	03.9	-0.1	
O18K	Koktuh Hills	0.93	261	/P	Pn	22	24	02.3	-1.0	
O18K	Koktuh Hills	0.93	261	/I	Pn	22	24	03.8	-0	

4d 22h

Table with columns: HARP, HAARP, 4.64 55 P, Pn, 22 24 47.5 +0.1, PFVI, Vila Bisbo, 1.36 1 P, Pn, 22 29 29.7, MTE, eS, Sn, 22 30 45.6 +0.5

2019 JAN

Table with columns: Vila Bisbo, 1.36 1 P, Pn, 22 29 29.7, MTE, eS, Sn, 22 30 45.6 +0.5

214

Table with columns: MTE, eS, Sn, 22 30 45.6 +0.5, GOG, Mont Gurugu, 4.81 95 P, Pn, 22 29 55.0 +1.6

CNRM 04 22:28:43.2, 35:69N; 9:03W, h67km, ML3.5
MDD 04 22:28:44.7, 0.3, 35:71N; 8:91W, h28km, mb_Lg3.7/55,
Error ellipse: s-major=2.7km s-minor=2.5km az=90.0
IGDL 04 22:28:46.2, 35:74N; 8:85W, h36km, ML3.3
INMG 04 22:28:47.0, 1.0, 35:79N; 8:83W, h26km, ML3.1, Error
ellipse: s-major=3.2km s-minor=1.9km az=54.0.
#DIST_RANGE: REGIONAL #PMA_REGION: Mar de
Marrocos
ISC 04 22:28:43.3, 1.0, 35:77N; 0:03; 8:36W; 0:04, h35km, n121,
c232/192, 6D, West of Gibraltar

Los Guajares, 4.36 74 Pn, 22 29 42.0 +2.0
Coimbra, 4.45 4 eS, Pn, 22 29 51.4 +3.1
Albora, 4.73 86 Pn, 22 30 48.0 +0.7
Manteigas, 4.74 12 eP, Pn, 22 29 54.2 +2.4

TEH 04 22:31:31.9, 34:33N; 45:63E, h10km, 93km
ISC 04 22:31:33.3, 1.2, 34:38N; 45:66E, h37km, 17km, ML2.6
n9, c096/14, Iran-Iraq border region

Code Station Name Az AzZ Phase ID Time Res

SDS1 Sardasht. Az. 1.81 356 Pn Pb 22 54 26.8 -0.2
RAFI AI-Rafai 2.64 171 ePn Pn 22 54 37.0 +0.6
RAFI eSn Sn 22 55 10.0 +1.4

TRN 04 22:55:26.3, 16.79N, 61.16W, h19km, MD3.8, North-east
of Guadeloupe., Leeward Islands
Code Station Name A° AZ° Phase ID Time Res

NEIC 04 22:58:43.7±1.5, 41.86N±0.06, 126.17W±0.1, h10km±2km,
mb4.1/72, ML3.6/70, Error ellipse: s-maj=14.8km
s-min=9.2km az=251.0

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res. Includes stations like KBO Bosley Butte, KXSB Camp Six Broad, KRMB Red Mountain, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res. Includes stations like CCAC Calif City Air, BPMT Black Pine Rid, DUG Dugway, Toeole, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase, ID, Time, Res. Includes stations like R40A comp=Z,2.3nm,0.7s, IAmb IAmb 23 04 30.4, TKL Tucklaechee C, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BBOO Buckleboo, PZH PanZhiHua, STKA Stephens Creek, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like OWD Renai, YHNB Yeheng, Sanguang, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PB12, SOEJ Jacaue, BBOO La Paz, etc.

TRN 04 23:50:40, 17:90N.63:03W, h99km, MD4.1, West of St. Barthelemy., Leeward Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SKI Saint Kitts, ANWB Willy Bob, etc.

TRN 05 00:02:24.3, 23:93N.122:90E, h19km, ML3.1, D

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WCP Beigang Elemen, SMLT Sun Moon Lake, etc.

IDC 05 00:10:44.9:3.8, 1.82N.126:73E, h90km, 29km, mb3.5/5, mbtmp3.8/6, Error ellipse: s-maj=98.8km s-min=12.9km az=69.0

DJA 05 00:10:46.3:0.3, 2.1N.3:12'26"E, h97km, 8km, M4.5/20, mb5.3/5, mb4.4/10, MLV4.4/20, MWj(m)B4.8/5

NEIC 05 00:10:46.8:1.4, 1.8N.0.1:126:52E:0.04, h95km, 10km, mb4.1/10, Error ellipse: s-maj=20.3km s-min=3.8km az=190

ISC 05 00:10:46.5:0.7, 1.77N.107:126:51E:0.08, h100km, n36, a095/39, mb3.8/11, Northern Molucca Sea

TAP 05 00:02:24.3, 23:93N.122:90E, h19km, ML3.1, D

JMA 05 00:02:25.7:0.2, 24:0N.0:6:122:9E:0.8, h24km, MV2.6/8, NW OFF ISHIGAKIJIMA IS

ISC 05 00:02:23.5:1.1, 23.92N.0:03:122:90E:0:02, h20km, 4km, n94, a0576/170, 1C, Taiwan region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

SJA 05 00:06:02.4:0.8, 20:61S:67:45W, h226km, 7km, ML3.3, MV3.4

SCB 05 00:06:04.9:1.4, 20:65S:67:41W, h195km, 15km, ML3.2/3, Error ellipse: s-maj=8.0km s-min=5.6km az=0.0

IDC 05 00:06:06.3:1.7, 20:46S:67:19W, h203km, 27km, mb2.9/2, mbtmp3.6/4, Error ellipse: s-maj=41.5km s-min=20.6km az=85.0

GUC 05 00:06:06.1:0.7, 20:57S:67:69W, h221km, 7km, ML3.1

ISC 05 00:06:04.1:1.0, 20:66S:0:04:67:47W:0:04, h210km, 8km, n37, a1914/58, 2C-4D, Southern Bolivia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PB08 IPOC Station P, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like TNTI Ternate, SGTI Sangihe, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like LBTI Labuha, KMSI Cibirong, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SPSI Sidrap Palu, BBSI Bau Bahu, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PLAI Palangpang, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBO Warramunga Arr, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ENA Nanau, TWC Suao, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PB08 IPOC Station P, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NACB Ninganchiao, JIU Ishigaki jima, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like EGS Tongmen, NDS Dongshan, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ETLH Xiulin Townshi, ESL Shilin, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like LXIB Xiulin Townshi, TWB1 Santiao Chiao, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like TWE Neicheng, LATG Datong, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WARB Fenglin Townsh, WARB Nioudou, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like HGSB Ruisui, TIPB Shuangxi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like FUSB Fushanzhiwuyua, NNSB Datong, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like NNSB Nan Shan, SX11 Grass Mountain, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like EHY Hungye, WHF Hehuan Shan, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WFSB Wu-fen Shan, FUSB Fushou, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like EYUL Yuli, CHKH Chenggong, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like TW1F Yuli, TW1F Yuli, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like GO01 Chusmiza, MOCB Mochara, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

IDC 05 00:10:44.9:3.8, 1.82N.126:73E, h90km, 29km, mb3.5/5, mbtmp3.8/6, Error ellipse: s-maj=98.8km s-min=12.9km az=69.0

DJA 05 00:10:46.3:0.3, 2.1N.3:12'26"E, h97km, 8km, M4.5/20, mb5.3/5, mb4.4/10, MLV4.4/20, MWj(m)B4.8/5

NEIC 05 00:10:46.8:1.4, 1.8N.0.1:126:52E:0.04, h95km, 10km, mb4.1/10, Error ellipse: s-maj=20.3km s-min=3.8km az=190

ISC 05 00:10:46.5:0.7, 1.77N.107:126:51E:0.08, h100km, n36, a095/39, mb3.8/11, Northern Molucca Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like TNTI Ternate, SGTI Sangihe, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like LBTI Labuha, KMSI Cibirong, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like SPSI Sidrap Palu, BBSI Bau Bahu, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PLAI Palangpang, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBO Warramunga Arr, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WBA Warramunga Arr, WBA Fitzroy Crossi, etc.

IDC 05 00:51:20.9:8.6, 21.73S:148:29E, h0km, mbtmp3.1/2, ML2.6/2, Error ellipse: s-maj=80.5km s-min=64.0km az=171.0, Queensland

JMA 05 00:51:25.4, 23:26N.121:59E, h46km, ML3.2, C

ISC 05 00:51:25.9:1.4, 23:22N.0:02:121:57E:0:02, h36km, 1km, n115, a1514/218, 4C-8D, Taiwan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CTA Charters Tower, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, etc.

Table of station data for 5d 1h, including station names, codes, and various parameters like elevation and coordinates.

Table of station data for 2019 JAN, including station names, codes, and various parameters like elevation and coordinates.

Table of station data for 218, including station names, codes, and various parameters like elevation and coordinates.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like MMRI, SBUM, BATI, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like CMAR, TVIH, CTAO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like SONM, DZM, ZEA, etc.

2019 JAN

5d 1h

Table with columns for station ID, name, elevation, coordinates, and various data points. Includes stations like Noril'sk, Redstone River, and many others.

BRT1	Keskin Array B	89.12 310	P	P	01 16 59.2	-2.4
BRT1	Keskin Array B	89.12 310	Op	P	01 17 03.4	+1.9
BRTH	Mount Dempster	89.12 275	P	P	01 17 01.0	-0.2
J30M	Hart River	89.29 25	P	P	01 17 01.8	0.0
HYT	Haines Junction	89.29 29	P	P	01 17 01.3	-0.6
N30M	Aishkik Lake	89.40 28	Iamb	Iamb	01 17 04.0	
ARCES	ARCESS Array B	89.60 340	P	P	01 17 01.4	-1.6
P30M	Million Dollar	89.66 30	P	P	01 17 03.6	+0.1
SPITS	Spitsbergen Ar	89.69 349	P	P	01 17 01.7	-1.5
INK	Inuvik	89.75 21	P	P	01 17 03.2	-0.5
F31M	Tsigehtichic	89.84 22	P	P	01 17 03.6	-0.5
H31M	Peel River	89.91 24	P	P	01 17 04.1	-0.4
O30N	Mendenhall	89.99 29	P	P	01 17 04.9	-0.1
N31M	Braeburn, Yuko	90.02 28	P	P	01 17 05.5	+0.4
S31K	Pelican	90.35 32	P	P	01 17 07.1	+0.5
M31M	Drury Creek, Y	90.55 28	P	P	01 17 07.5	-0.1
WHY	Whitehorse	90.59 29	P	P	01 17 08.3	+0.4
FINES	FINESS Array B	90.94 332	P	P	01 17 08.4	-0.9
FINES	FINESS Array B	90.94 332	iP	Pmax	01 17 08.3	-1.0
AKASG	Malin Array B	90.98 321	LR	LR	02 01 05.0	
AK01	Malin Array S1	90.99 321	P	P	01 17 09.2	-0.6
FARO	Faro, Yukon	91.02 27	P	P	01 17 10.0	+0.3
MNK	Minsk	91.22 325	iP	Pmax	01 17 10.8	+0.1
MNK	Minsk	91.22 325	i	PPP	01 20 49.2	
MNK	Minsk	91.22 325	i	SSK	01 21 31.1	-0.9
MNK	Minsk	91.22 325	i	SSS	01 34 07.9	+1.9
MNK	Minsk	91.22 325	i	SSS	01 37 46.0	
MNK	Minsk	91.22 325	i	Pmax		
MNK	Minsk	91.22 325	i	Pmax		
MNK	Minsk	91.22 325	i	Pmax		
N32M	Quiet Lake	91.36 28	P	P	01 17 11.7	+0.3
P33M	Teslin, Yukon	91.68 29	P	P	01 17 12.8	-0.1
R33M	Jennings River	92.77 30	P	P	01 17 18.0	-0.1
RNPP9	Sopachiv	92.94 322	P	P	01 17 18.1	-0.7
S34M	Telegraph Cree	93.03 31	P	P	01 17 19.4	+0.3
DLBC	Dease Lake	93.47 31	LR	LR	01 55 18.8	
DLBC	Dease Lake	93.47 31	P	P	01 17 21.9	+0.7
WTLC	Watson Lake, Y	93.66 29	P	P	01 17 22.7	+0.7
T35M	Bob Quinn	93.71 32	P	P	01 17 23.0	+0.7
QSPA	South Pole Qui	94.31 180	P	P	01 17 24.0	-0.9
WRGLY	Wrigley	95.13 25	P	P	01 17 28.9	+0.3
TOAD	Toad River Com	95.77 30	P	P	01 17 31.7	+0.1
KOTAN	Kotanelee Air	95.92 28	P	P	01 17 32.5	-0.2
DAG	Danmarks Havn	96.50 352	P	P	01 17 33.5	-1.1
DAG	Danmarks Havn	96.50 352	iP	Pmax	01 17 32.0	-2.6
DAG	Danmarks Havn	96.50 352	iP	Pmax	01 17 35.1	-2.6
NB2	NORSAR Subarra	97.91 334	P	P	01 17 39.2	-2.1
NOA	NORSAR Array B	97.91 334	P	P	01 17 39.4	-1.9
NOA	NORSAR Array B	97.91 334	LR	LR	02 08 39.3	
YKA	Yellowknife Ar	99.13 24	P	Pdf	01 17 45.9	-0.7
YKA	Yellowknife Ar	99.13 24	Op	Pmax	01 17 46.7	+0.1
S22A	4UR Ranch, Cre	115.45 44	P	PKPpdf	01 22 48.3	+0.6
ANMO	Albuquerque	117.01 47	PKPpdf	PKKPK	01 22 50.8	0.0
ANMO	Albuquerque	117.01 47	PKKPK	PKKPK	01 22 50.2	-0.5
ANMO	Albuquerque	117.01 47	PKKPK	Pmax		
T25A	Trinidad	117.42 44	P	PKIKP	01 22 52.0	+0.5
SCHQ	Schefferville	119.99 9	PKP	PKPpdf	01 22 55.2	-0.4
TXAR	Lajitas Array	121.66 52	PKP	PKIKP	01 23 00.1	+0.2
TORD	Torodi Ar. Bea	122.13 288	PKP	PKPpdf	01 23 00.3	-0.5
HRDY	Brady	124.25 47	PKPpdf	PKIKP	01 23 04.8	0.0
H33A	Chaparral WMA	125.44 51	P	PKIKP	01 23 07.4	+0.2
MIAR	Mount Ida	126.17 41	PKPpdf	PKPpdf	01 23 08.3	+0.2
O48B	Farmland	127.08 30	P	PKPpdf	01 23 09.2	-0.4
PLCA	Paso Flores	140.85 160	PKHKP	PKPpre	01 23 31.2	
BO02	Sierra Bellavi	145.95 155	PKP	PKPpdf	01 23 46.0	-0.1
MT08	Socotoma Ro	147.43 154	Pn	PKPbc	01 23 54.9	+1.0
NMDO	Nuevo Mundo	147.47 39	PKP	PKPbc	01 23 51.5	+0.9
BRU2	Volcan	148.42 65	PKP	PKIKP	01 23 55.2	+0.7
CPUP	Vila Florida	157.96 172	PKP	PKP	01 24 36.7	+0.7
LPAZ	La Paz	161.70 151	PKP	PKPpdf	01 24 08.2	+0.4
LPAZ	La Paz	161.70 151	PKP	PKP	01 24 54.2	+0.8

PCDR	Punta Cana, DR	0.79 74	Pn	Sn	01 12 55.7	-0.7
PCDR	Punta Cana, DR	0.79 74	Op	Sn	01 13 10.5	0.0
PCDR	Punta Cana, DR	0.79 74	Op	Sn	01 13 13.3	+0.7
PCDR	Punta Cana, DR	0.79 74	Op	Sn	01 13 34.2	
PCDR	Punta Cana, DR	0.79 74	Op	Sn	01 12 55.9	-0.4
PCDR	Punta Cana, DR	0.79 74	Op	Sn	01 12 58.4	+0.1
SMDR	Samana, DR	0.98 360	Op	Sn	01 13 15.5	+1.5
SMDR	Samana, DR	0.98 360	Op	Sn	01 13 15.6	
SC01	Santiago de los	1.84 308	Pn	IAML	01 13 08.3	-0.2
SC01	Santiago de los	1.84 308	Pn	IAML	01 14 06.5	
SC01	Santiago de los	1.84 308	Pn	IAML	01 14 10.6	
CRPR	Cabo Rojo, PR	1.99 98	Pn	Sn	01 13 10.8	+0.5
CRPR	Cabo Rojo, PR	1.99 98	Op	Sn	01 13 38.1	
CRPR	Cabo Rojo, PR	1.99 98	Op	Sn	01 13 10.8	+0.5
LSP	Las Mesas	1.99 93	Op	Sn	01 13 10.9	+0.5
AOPR	Arecibo Observ	2.31 89	Op	Sn	01 13 14.6	-1.0
AOPR	Arecibo Observ	2.31 89	Op	Sn	01 13 14.6	-1.0
AOPR	Arecibo Observ	2.31 89	Op	Sn	01 13 14.3	-0.1
AOPR	Arecibo Observ	2.31 89	Op	Sn	01 13 41.6	-1.0
UUPR	Utatado, UPR, P	2.34 91	Op	Sn	01 13 15.3	+0.5
UUPR	Utatado, UPR, P	2.34 91	Op	Sn	01 13 45.2	+2.0
UUPR	Utatado, UPR, P	2.34 91	Op	Sn	01 13 15.3	+0.5
UUPR	Utatado, UPR, P	2.34 91	Op	Sn	01 13 43.6	+0.3
UUPR	Utatado, UPR, P	2.34 91	Op	Sn	01 13 15.9	+0.2
CELP	Cerrillos	2.48 95	Op	Sn	01 14 25.5	+0.9
CELP	Cerrillos	2.48 95	Op	Sn	01 14 25.5	+0.9
CELP	Cerrillos	2.48 95	Op	Sn	01 13 16.9	+0.2
CELP	Cerrillos	2.48 95	Op	Sn	01 13 17.5	+0.5
ECPR	Experimental S	2.68 89	Op	Sn	01 13 18.1	-1.2
ECPR	Experimental S	2.68 89	Op	Sn	01 13 15.0	-0.2
IGPR	Interuniversit	2.94 96	Pn	IAML	01 13 20.5	-2.2
IGPR	Interuniversit	2.94 96	Pn	IAML	01 14 08.6	
IGPR	Interuniversit	2.94 96	Pn	IAML	01 15 13.3	

GUC 05 01:28:19.1±0.5, 21.145:68°72'W, h116km, 3km, ML3.2
 IDC 05 01:28:31.0±8.2, 20:135:68°00'W, h194km, 5.7km, mb3.0/1,
 mbmp3.5/3, Error ellipse: s-maj=101.6km s-min=55.9km
 az=36.0

M20K	Styx River	1.57 289	Pn	IAML	01 49 12.7	-0.7
M20K	Styx River	1.57 289	Pn	IAML	01 49 35.4	
WAT1	Susitna Watana	1.58 25	Pn	Pn	01 49 13.5	0.0
BRLK	Brady Lake	1.59 240	Pn	Pn	01 49 12.8	-1.0
BRLK	Brady Lake	1.71 195	Pn	Pn	01 49 14.3	-0.9
BRLK	Bradley Lake	1.71 195	Pn	Pn	01 49 41.0	
BRLK	Bradley Lake	1.71 195	Pn	Pn	01 49 41.0	
BRLK	Bradley Lake	1.71 195	Pn	Pn	01 49 44.2	
PPLA	Purkeypile	1.81 326	Pn	Pn	01 49 16.6	-0.2
FID	Port Fidalgo	1.83 110	Pn	Pn	01 49 15.6	-1.4
FID	Port Fidalgo	1.83 110	Pn	Pn	01 49 46.0	
FID	Port Fidalgo	1.83 110	Pn	Pn	01 49 49.9	
FID	Port Fidalgo	1.83 110	Pn	Pn	01 49 49.9	
P23K	Montague Islan	1.91 137	Pn	Pn	01 49 16.4	-1.5
M24K	Tolsona, Glenn	1.95 67	Pn	Pn	01 49 19.4	+0.8
KLU	Klutina	1.96 86	Pn	Pn	01 49 47.2	
CNPM	China Foot	1.98 199	Pn	Pn	01 49 18.1	-1.0
CNPM	China Foot	1.98 199	Pn	Pn	01 49 47.4	
CNPM	China Foot	1.98 199	Pn	Pn	01 49 49.8	
CNPM	China Foot	1.98 199	Pn	Pn	01 49 49.8	
HIN	Hinchinbrook I	1.99 119	Pn	Pn	01 49 18.5	-0.6
HIN	Hinchinbrook I	1.99 119	Pn	Pn	01 49 50.1	
TRF	Thorofore Moun	2.06 356	Pn	Pn	01 49 20.0	-0.2
TRF	Thorofore Moun	2.06 356	Pn	Pn	01 49 59.4	
DIV	Divide	2.06 96	Pn	Pn	01 49 19.4	-0.8
DHY	Denali Highway	2.08 35	Pn	Pn	01 49 26.0	+0.1
DHY	Denali Highway	2.08 35	Pn	Pn	01 49 52.1	
DHY	Denali Highway	2.08 35	Pn	Pn	01 49 53.5	
RND	Reindeer	2.08 14	Pn	Pn	01 49 20.2	-0.1
ILS	Iliamna Low So	2.10 227	Pn	Pn	01 49 20.2	-0.4
ILSW	Iliamna Sound	2.10 229	Pn	Pn	01 49 20.5	-0.3
ILSW	Iliamna Sound	2.10 229	Pn	Pn	01 49 52.8	
L20K	Farewell, AK	2.13 302	Pn	Pn	01 49 20.4	-0.6
KTH	Katishna Hill	2.20 349	Pn	Pn	01 49 22.4	+0.4
CAST	Castle Rocks	2.24 335	Pn	Pn	01 49 22.6	0.0
EYAK	Cordova Ski Ar	2.24 111	Pn	Pn	01 49 22.2	-0.3
N19K	Bonanza Creek	2.26 257	Pn	Pn	01 49 22.1	-0.4
N19K	Bonanza Creek	2.26 257	Pn	Pn	01 49 25.1	+0.3
L19K	White Mountain	2.43 291	Pn	Pn	01 49 25.1	-0.2
HARP	HAARP	2.50 64	Pn	Pn	01 49 26.6	+0.5
N25K	Chiitna, Valde	2.60 83	Pn	Pn	01 49 27.0	-0.5
N25K	Chiitna, Valde	2.60 83	Pn	Pn	01 50 08.7	
N25K	Chiitna, Valde	2.60 83	Pn	Pn	01 50 10.5	
BMRM	Bremner River	2.65 97	Pn	Pn	01 49 27.1	-1.2
N18K	Kilae Creek	2.96 258	Pn	Pn	01 49 31.8	-0.8
O18K	Koktuh Hill	3.00 241	Pn	Pn	01 49 31.3	-1.2
O18K	Koktuh Hill	3.00 241	Pn	Pn	01 50 35.5	
O18K	Koktuh Hill	3.00 241	Pn	Pn	01 50 35.5	
SYI	Shuyak Island	3.05 204	Pn	Pn	01 49 32.6	-1.1
SYI	Shuyak Island	3.05 204	Pn	Pn	01 50 17.2	
SYI	Shuyak Island	3.05 204	Pn	Pn	01 50 21.6	
L18K	Granite Mounta	3.28 287	Pn	Pn	01 49 36.1	-0.7
MENT	Mentasta	3.32 60	Pn	Pn	01 49 30.6	
J20K	N					

cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

ISC 05.01:55:38.1-0.3,0.93S,0.03:127.58E,0.05,h10km,n357,

#184/354,m5.0/116,M5.4/354,14C-5D, Malhahera

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists various seismic stations and their recorded data.

mbmp4.2/15,ML4.3/2, Error ellipse: s-maj=30.2km s-min=11.3km az=77.0

ISC 05 01:59:21.5-0.5,0.96S:0.04x127.47E:0.06,h10km,n48, comp=1.83/50,mb4.5/19,Almahera

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

NEIC 05 02:00:21.8-1.4, 3.85S:0.04x103.7W:0.2,h10km,2km, mb4.5/35, Error ellipse: s-maj=29.2km s-min=7.8km az=272.0

GCMT 05 02:00:22.8-0.2, 3.68S:0.01x103.59W:0.01,h12km, MW5.1/124, Moment Tensor Solution. s68,c85; s124,c191; Duration: 0. Moment tensor: Scale: 1016Nm; Mw=0.35; 10; Mw=1.05; 11; Mw1.32; 27; Mw4.52; 08; Mw0.33; 28; Best double couple: Mw4.86200x1016 NP1x7.00000; 875.00000; 1.176.00000; NP2x98.00000; 886.00000; 1.5.00000; Principal axes: T 5.1420, Plg13.0000, Azm323.0000; N -0.5600, Plg75.0000, Azm112.0000; P -4.5810, Plg8.0000, Azm232.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function ISC 05 02:00:23.1-1.3, 3.01S:102.62W,h0km,mb3.9/10, mbmp3.9/10,MS4,3/37, Error ellipse: s-maj=54.4km s-min=21.9km az=58.0

ISC 05 02:00:21.8-1.1, 3.75S:0.2x103.47W:0.2,h10km,n87, comp=1.83/44,mb4.4/25,MS4,3/37,Central East Pacific Rise

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

MKAR Makanchi Array 136.74 354 PKP PKIKP 02 19 45.5 -1.0 comp=2.0,9nm,0.9s,baz=114,slow=2.9,SNR=4.5

CMAR Chiang Mai Arr 153.62 306 PKPbc PKIKP 02 20 24.9 +2.9 comp=2.0,8nm,0.3s,baz=75,slow=2.0,SNR=4.6

IDC 05 02:12:56.5-1.8, 8.250N:127.02E,h0km,mb3.3/4, mbmtmp3.3/4, Error ellipse: s-maj=148.7km s-min=22.4km az=67.0,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

NEIC 05 02:14:50.0-0.5, 36.217N:0.00997564W:0.009, h6km,5km, Error ellipse: s-maj=1.4km s-min=1.0km az=161.0

NEIC 05 02:14:49.9-0.5, 36.214N:0.0099756W:0.011,h5km, mb Log2.4,ML2.62,ML2.62, Error ellipse: s-maj=1.6km s-min=1.5km az=227.0,Oklahoma

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

0.4nm,0.8s,baz=239,slow=4.9,SNR=5.3
0.4nm,0.8s
TORO Torodi Ar. Bea 168.20 189 PKPab PKPab 02 36 24.6 -0.3
0.5nm,0.7s,baz=173,slow=3.2,SNR=4.7

IDC 05 02:21:06.8,1.8,0.72S,127.83E,h0km,mb3.4/5,
mbmp3.4/5,Error ellipse: s-maj=15.7km s-min=22.4km
az=68.0
DJA 05 02:21:10.7,0.3,1.1'S,2.12'E,1h10km,M3.6/9,MLV3.6/9
ISC 05 02:21:08.3,0.1,1.04S,0.04,127.45E,0.09,h10km,n11,
a=18/12,mb3.6/4,Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBMI Labuha, SANI Sanana, NNTI Ternate, etc.

NIED 05 02:22:36.8,23.83N,123.33E,h32km,MW4.2,Moment
Tensor Solution. s2 Moment tensor: Scale 10^15Nm;
M1=0.80; M2=0.22; M3=0.58; M4=0.23; M5=0.79; M6=0.07;
Fault plane solution: M2,45000x10^15 NP1:
phi=168.00000°,delta=22.00000°,lambda=24.00000°. NP2:
phi=280.00000°,delta=81.00000°,lambda=113.00000°.
JMA 05 02:22:36.8,0.2,23.83N,0.8,123.33E,0.4,h32km,2km,
MD4.5/11,MV4.0/11,NEAR ISHIGAKIJIMA ISLAND
NEIC 05 02:22:37.4,1.7,23.88N,0.05,123.32E,0.09,h21km,4km,
mb4.5/21,Error ellipse: s-maj=11.8km s-min=7.2km
az=68.0

IDC 05 02:22:41.3,5.0,23.93N,123.37E,h65km,45km,mb3.7/17,
mbmp4.0/18,ML3.5/1,MS4.0/6,Error ellipse:
s-maj=27.5km s-min=12.6km az=68.0
ISC 05 02:27:37.4,1.1,23.85N,0.05,123.33E,0.03,h28km,8km,
n87,of=97/86,mb4.2/28,MS4.2/4,Southwestern Ryukyu
Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HATJ Hatujima, IRIF Iriomote-Funau, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KIWB Kanaga Island, ARKAB Arbulak Island, ARTI Arti, etc.

KRNET 05 02:31:59.3,0.1,42.32N,78.26E,h16km,mb2.9
NMC 05 02:32:00.9,0.8,42.42N,78.22E,h0km,mb3.1,mpv2.8,
Error ellipse: s-maj=5.9km s-min=2.7km az=158.0
SOME 05 02:32:00.9,4.2,38N,78.17E,h5km
ISC 05 02:31:59.7,1.1,42.36N,0.03,78.22E,0.03,h7km,12km,
n34,of=57/63,10C-8D,Lake Issyk-Kul region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PRZ Przheval'sk, ANVS Anan'yevo, TARG Taragay, Kyrgyz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARXS Arharly, ARXS Arharly, ARXS Arharly, etc.

IDC 05 02:37:33.8,0.7,21.80S,169.14E,h0km,mb4.4/13,
mbmp4.4/15,ML5.5/1,MS3.5/2,Error ellipse:
s-maj=23.5km s-min=17.9km az=161.0
NOU 05 02:37:34.6,6.2,18.6S,169.10E,h0km,MLV4.3/8,Southeast
of Loyalty Islands
NEIC 05 02:37:36.8,1.6,21.9S,0.2,169.1E,0.1,h10km,1km,
mb4.8/15,Error ellipse: s-maj=27.3km s-min=17.8km
az=174.0
ISC 05 02:37:38.6,0.5,21.8S,0.1,169.09E,0.07,h31km,n76,
of=86/76,mb4.6/22,2C,Southeast of Loyalty Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ROSALIA, CONRAD, CKRC, KHC, GERE, ARSA, MOA, SOKA, BIOA, LEKA, MYKA, ABTA, WATA, WTTA, MOTA, SQA, RETA, FETA, DAVA, FUUM, TORD, etc.

DJA 05 02:47:49.1±0.4, 1°S:2°12'7E±, h29km, M3.4/8, MLV3.4/8

IDC 05 02:47:50.9±1.6, 1°22'S:126°74E, h0km, mb3.1/4, mbmp3.2/4, Error ellipse: s-maj=156.9km s-min=23.1km az=66.0

ISC 05 02:47:52.3±1.1, 0.72S:0.07E:127.35E:0.10, h35km, n9, az=272/9, mb3.3/3, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LABUHA, TERNATE, SANI, NLA, MSAI, WRA, ASAR, MKAR, KURBB, etc.

IDC 05 02:47:54.1±16.0, 36.77N:70.07E, h385km, 178km, mb2.8/1, mbmp3.5/5, Error ellipse: s-maj=147.5km s-min=59.2km az=160.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR, KURBB, BVAR, ZALV, TORD, etc.

IDC 05 02:49:56.7±1.9, 0.77S:127.40E, h0km, mb3.1/4, mbmp3.2/4, Error ellipse: s-maj=167.8km s-min=24.2km az=67.0

DJA 05 02:50:01.8±0.3, 1°S:3°12'7E±, h10km, M3.5/10, MLV3.5/10

ISC 05 02:50:01.1±1.0, 0.90S:0.05E:127.44E:0.09, h31km, n10, az=135/10, mb3.3/3, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LABUHA, TERNATE, SANI, NLA, MSAI, WRA, ASAR, MKAR, KURBB, etc.

IDC 05 02:58:16.1±2.0, 0.74S:127.70E, h0km, mb3.0/4, mbmp3.1/4, Error ellipse: s-maj=167.9km s-min=25.0km az=67.0

DJA 05 02:58:19.3±1.0, 1°S:7°12'8E±, h10km, M3.2/5, MLV3.2/5

ISC 05 02:58:20.5±1.0, 0.75S:0.08E:127.5E:0.2, h31km, n7, az=112/8, mb3.3/3, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LABUHA, LKBI, SANI, NLA, WRA, ASAR, MKAR, KURBB, etc.

IDC 05 03:03:34.4±1.1, 0.74S:127.85E, h0km, mb3.6/6, mbmp3.8/8, ML3.5/2, Error ellipse: s-maj=51.6km s-min=19.0km az=69.0

NEIC 05 03:03:37.4±1.8, 0.90S:0.05E:127.67E:0.09, h10km, 1km, mb4.5/9, Error ellipse: s-maj=16.0km s-min=7.8km az=254.0

DJA 05 03:03:38.1±0.3, 1°S:2°12'8E±, h10km, M3.9/9, MLV3.9/9

ISC 05 03:03:39.7±0.6, 0.86S:0.05E:127.57E:0.08, h31km, n26, az=129/28, mb3.8/7, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LABUHA, TERNATE, SANI, NLA, WRA, ASAR, MKAR, KURBB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SANI, NLA, MSAI, AAI, FAKI, KAPI, FITZ, WBO, WRA, WBO, COEN, AS31, ASAR, YOJ, STKA, TJN, TJN, MKM, MKM, MK31, MKAR, KURBB, BVAR, ABKAR, etc.

NOU 05 03:07:08.2, 38.76S:178.15E, h24km, MLV3.9/14, Off E Coast of N. Island, N.

WEL 05 03:07:10.1±0.5, 39°S:2°17'8E±, h25km, 3km, M4.2/12, M4.6/13, MLV4.2/12, Error ellipse: s-maj=5.7km s-min=2.4km az=109.2

ISC 05 03:07:10.0±1.0, 38.87S:0.02E:178.14E:0.04, h33km, 2km, n89, az=158/105, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GKBS, GWTS, CNGZ, CNGZ, RIGZ, PRGZ, PRGZ, TKGZ, KNZ, KNZ, TWGZ, TWGZ, MHGZ, MHGZ, PUZ, PUZ, SNGZ, SNGZ, WFSF, WFSF, PKGZ, WHHZ, WHHZ, RAHZ, WMGZ, URZ, URZ, URZ, RTZ, HAZ, HAZ, MTHZ, ARHZ, MUGZ, MUGZ, LKBI, LKBI, SANI, NLA, MSAI, WRA, ASAR, MKAR, KURBB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OUZ, KHZ, CTZ, CTZ, etc.

IDC 05 03:08:24.7±1.8, 0.95S:127.36E, h0km, mb3.1/4, mbmp3.2/4, Error ellipse: s-maj=164.1km s-min=23.8km az=67.0

DJA 05 03:08:27.1±0.4, 1°S:2°12'8E±, h10km, M3.4/6, MLV3.4/6

ISC 05 03:08:27.4±1.0, 0.94S:0.05E:127.5E:0.1, h31km, n8, az=201/9, mb3.2/3, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LABUHA, TERNATE, SANI, NLA, WRA, ASAR, MKAR, KURBB, etc.

IDC 05 03:11:50.0±0.7, 0.88S:127.37E, h0km, mb4.2/15, mbmp4.2/16, ML3.7/1, MS3.8/15, Error ellipse: s-maj=29.9km s-min=13.7km az=74.0

BUI 05 03:11:51.0±0.8, 0.90S:127.60E, h5km, mb5.1/10, mb4.5/35, ML3.7/3, ML3.7/3

DJA 05 03:11:53.9±0.2, 1°S:2°12'8E±, h10km, M4.7/20, mb5.2/7, mb4.9/12, MLV4.8/20, M4.7/20, mb5.2/7

NEIC 05 03:11:53.0±2.8, 0.82S:0.06E:127.51E:0.06, h10km, 1km, mb4.7/27, Error ellipse: s-maj=10.6km s-min=9.5km az=210.0

GCMT 05 03:11:55.0±0.3, 0.93S:0.03E:127.48E:0.03, h17km, 1km, MW4.8/78, Moment Tensor Solution, s20,c22: s78,c103; Duration: 0 Moment tensor: Scale 10^19Nm; M2:0.06; 18; Mw:0.42; 10; Mw:1.65; 12; Mw:0.81; 37; Mw:0.95; 20; Mw:0.09; 27; Best double couple: M2:26700; 1016; Mw:191.00000; 344.00000; 1-17.00000; NP2: 6-47.00000; 552.00000; 1-66.00000; Principal axes: T 2.1950, Plg4.0000, Azm120.0000; N 0.1510, Plg18.0000; Azm12.0000; P -2.3380, Plg71.0000; Azm17.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 05 03:11:52.4±0.4, 0.86S:0.04E:127.55E:0.06, h10km, n91, az=136/76, mb4.6/36, MS3.8/15, 2C2, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LABUHA, TERNATE, SANI, NLA, MSAI, WRA, ASAR, MKAR, KURBB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CTA Charters Tower, STKA Stephens Creek, MKAR Makanchi Array, etc.

NEIC 05 04:02:12.6±0.2, 36°22'N:0°01:97°57'W±0.01, h6km±5km, Error ellipse: s-maj=1.7km s-min=1.1km az=159.0

Main table of station data for the left column, including details for Liberty Lake, Carrier, Bluff Creek, etc.

IDC 05 04:03:20.0±1.9, 0°91'S:127°36'E, h0km, mb3.1/4, mbmp3.4/4, Error ellipse: s-maj=173.0km s-min=24.8km az=67.0, Halmahera

Table of station data for the IDC 05 04:03:20.0±1.9 event, including WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 05 04:06:35.3±2.1, 1°00'S:127°27'E, h0km, mb3.4/3, mbmp3.4/3, MS3.6/2, Error ellipse: s-maj=196.1km s-min=24.3km az=66.0

Table of station data for the IDC 05 04:06:35.3±2.1 event, including LBMI Labuha, TNTI Ternate, SANI Sanana, etc.

IDC 05 04:20:13.9±1.1, 40°44'N:28°52'E, h0km, mb3.5/4, mbmp3.5/4, Error ellipse: s-maj=17.4km s-min=10.6km az=53.0

Table of station data for the IDC 05 04:20:13.9±1.1 event, including THE 05 04:20:13.2, AFAD 05 04:20:15.2, etc.

Table of station data for the right column, including BAND Balkesir-Ban, MDNY Mudanya-Bursa, ARMT Armutlu, etc.

IDC 05 04:20:13.9±1.1, 40°44'N:28°52'E, h0km, mb3.5/4, mbmp3.5/4, Error ellipse: s-maj=17.4km s-min=10.6km az=53.0

Main table of station data for the right column, including details for Balkesir-Ban, Mudanya-Bursa, Armutlu, etc.

IDC 05 04:31:45.6±28°05'N:54°30'E, h5km, TEH 05 04:31:53.8±12.0, 27°38'N:54°37'E, h85km±113km, mb3.1/7, mbmp3.4/7, MS3.0/1, Error ellipse: s-maj=68.0km s-min=23.9km az=161.0

Table of station data for the IDC 05 04:31:45.6±28°05'N:54°30'E event, including LAR1 LAR, JHRM Jahrom, etc.

Table of station data for the right column, including RDO, SGR, SGR1, etc.

IDC 05 04:31:47.1±0.7, 27°39'N:06°54'29'E±0.05, h17km, n21, r143/19, mb3.4/6, Southern Iran

Main table of station data for the right column, including details for RDO, SGR, SGR1, etc.

IDC 05 04:31:47.1±0.7, 27°39'N:06°54'29'E±0.05, h17km, n21, r143/19, mb3.4/6, Southern Iran

Table of station data for the IDC 05 04:31:47.1±0.7 event, including LAR1 LAR, JHRM Jahrom, etc.

2019 JAN

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like B18K Kokotik River, C18K Utukok River, E18K Tukpaerik C, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like KDAK Kodiak Island, KDAK Kodiak Island, SKT Skwentna, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like D27M Malcolin River, D27M Malcolin River, BMRM Bremen River, etc.

5d 8h

Table with columns: BVAR, WRA, PDAR, Station Name, Time, Res. Includes Borovoye Array, Warramunga Arr, Pinedale Array.

ISC 05 07:04:00.7±2.6, 54.04N:86.50E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=21.3km s-min=12.5km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res. Includes I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra.

ASRS 05 07:04:51.0±0.6, 55.74N:86.06E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 05 07:04:55.3±3.1, 55.65N:86.09E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=23.8km s-min=21.4km az=38.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res. Includes I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array.

NEIC 05 07:20:12.9±0.6, 19.24N:0.01±155.41W:0.02, h37km, 2km, Error ellipse: s-maj=3.0km s-min=2.0km az=108.0

HVO 05 07:20:14.7±0.9, 19.26N:0.03±155.40W:0.04, h31km, 7km, ML2.7/39, ML2.9/42(NEIC), Error ellipse: s-maj=5.7km s-min=3.0km az=67.0, Hawaiian Islands

Large table with columns: Code, Station Name, Time, Res. Includes HTL Hilina Pali, SDHHI Sand Hill, WRMH West Rim, RIM Rim, KKO Keanakakohi, UWE Uwekahuna, OBL Observatory Le, KHU Kahuku, RSD Rainshead, MLH Mauna Loa, KNNH Kane Nui o Ham, MWH Mokuawewe, NPOC North of Pu'u, HMM Humu'ula Sheep, JOKA Jonika Flow, POKA Pohakuloa, CPH Captain Cook, HUH Hualalai, HPAH Hawaii Prepara, MHA Mahukona, KHLH Kahului Airpor.

ISC 05 07:25:12.1±3.2, 54.17N:87.29E, h0km, mbtmp2.3/2, ML1.7/2, Error ellipse: s-maj=27.9km s-min=19.4km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res. Includes I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra.

2019 JAN

Table with columns: MKAR Makanchi Array, Time, Res. Includes Makanchi Array.

ISC 05 07:27:10.9±3.4, 47.02N:0.04±20.98E:0.04, h12km, 26km, ML1.1, 0579/20, 7C-7D, Hungary

Table with columns: Code, Station Name, Time, Res. Includes SIRR Siria, PSZ Piskeszeto, MESR Meseseni, SURR Surduc, KECS Kecovo, MAARR Marisel-Cluj, MORR Mrgy, Hungar, MORH, BMR Baia Mare, VYHS Vyhne, VYHS Kolonicse sedl, KOLS, KOLS, BURAR Bucovina Array.

RSNC 05 07:33:52.7±0.0, 7N:1°7'3W±1, h151km, 2km, M2.7, mb5.9, ML2.5, Mw(mb)5.5, Northern Colombia

Table with columns: Code, Station Name, Time, Res. Includes BARC Barichara, BRUC Barrancabermej, PAMC Pamplona, Colo, RUSC La Rusia, PTBC PUERTO BERRIO, TAMC Tame, Arraico, OCAC Ocana, SPBC San Pablo de B, ZARC Zaragoza, Cauc, NORC Norcasia, CHIC Chingaza, ROSC El Rosal, UREC San Jos de U, GUYC Guyana, Caldas, VILC Villavicencio, RECR Villamaría, NIZA Niza - Manizal, CBOC Ciudad Bolívar, DBOC Dabeiba, SDV Santo Domingo, ANIL Santa Ana, PRAC Prado, APAC Apartado, Choc, ORTC Ortega, Tolima, SJCC San Jacinto, C, PLMC San Jos del P, URMCL La Uribe, Meta, URMCL Carrejon, Guaj, MALC Bahía Malaga.

UPP 05 07:52:04.9±0.1, 67.84N:20.22E, h0km, ML2.0, Confirmed Induced event

ISC 05 07:52:06.2±2.1, 67.90N:20.27E, h0km, mbtmp2.7/2, ML1.7/2, Error ellipse: s-maj=25.0km s-min=8.8km az=109.0

ISC 05 07:52:05.4±1.0, 67.84N:20.25E:0.04, h0km, m12, 0581/17, Sweden

Table with columns: Code, Station Name, Time, Res. Includes KUA Kuravaara, RATU Laulkuluspa, KOVU Salmi, LANU Lannavaara, MASU Mansasbyn, KIF Kilpisjärvi, PAJU Pajala, I37NO I37NO, HEF Hetta, ERTU Ertsjærvi, ARCES ARCESS Array B, ARCES, FINES FINES Array B, FINES, FINES.

ASRS 05 07:59:50.0±0.7, 54.08N:86.49E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 05 07:59:49.8±3.8, 54.12N:86.39E, h0km, mbtmp2.3/2, ML2.5/2, Error ellipse: s-maj=39.3km s-min=15.7km az=68.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res. Includes I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array.

ASRS 05 08:00:17.0±1.1, 53.94N:86.58E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

214 earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

ASRS 05 08:04:27.0±0.8, 54.07N:86.49E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 05 08:04:31.1±2.6, 54.04N:86.49E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=21.5km s-min=11.9km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Time, Res. Includes I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR, MKAR.

NEIC 05 08:19:35.2±0.9, 21.2S:0.1±179.1W:0.1, h624km, 9km, mb4.2/34, Error ellipse: s-maj=19.6km s-min=17.2km az=112.0

ISC 05 08:19:36.4±1.4, 21.14S:179.32W, h628km, 16km, mb3.3/15, mbtmp4.2/16, Error ellipse: s-maj=14.3km s-min=12.4km az=145.0

ISC 05 08:19:33.8±0.5, 21.30S:0.08±179.25W:0.08, h600km, m65, 01938/67, 0.4/0.31, Fiji Islands region

Large table with columns: Code, Station Name, Time, Res. Includes MSVF Nonsavu, FUVU Fugatoga, NIUE Niue, URZ Urewera, RTZ Rautavaara, TCW Tory Channel, DSZ Denniston, EIDS Eidsvoll, CTAO Charters Tower, COEN Coen, AS31 Alice Springs, ASAR Alice Springs, ASAR, WB0 Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, KNRA Kunurra, FITZ Fitzroy Crossi, VNTA Vase, VNTA Vase, VNTA Vase, QSPA South Pole Qui, QSPA South Pole Qui, JGF Kuroka, MJAR Matsuhiro Arr, MJB9 Matsu-Tunnel, PET Petropavlovsk, KSRS Korea Array, PEAOB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, BELA Belgrano 2, USRK Ussuriysk Arr, ESJX Sierra Juarez, ACHA Angle Creek, PNTR Pine Nut, M11K Mekoryuk, NVAR Mina Array Bea, O16K Kokovok River, N15K Kwethluk River, M14K Bethel, J05D Fort Rock, M16K Timber Creek, ILSW Iliamna Southw, K15K Wolf Creek Mou, L18K Granite Mounta, U15A North Rim, L19K White Mountain, J17K VAMB Dome, KNK Knik Glacier, TXAR Lajitas Array, CMAR Chiang Mai Arr, ILAR Eielson Array, PLCA Paso Flores.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABKAR Akbulak array, VANDA Vanda, MAW Mawson, VOI Vohitsoka, M14K Bethel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLAI Plampang, TWSI Taliwang, Sumb, etc.

ASRS 05 08:45:12.0, 1.8, 53.67N; 88.22E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 05 08:45:16.4, 3.5, 53.65N; 89.00E, h0km, mbtmp2.8/2, ML2.3/2, Error ellipse: s-maj=33.8km s-min=19.6km az=52.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 05 08:54:29.3, 32.0, 20.04S; 177.76W, h364km, h364km, mb3.1/3, mbtmp3.8/3, Error ellipse: s-maj=161.0km s-min=41.9km az=50.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, etc.

ASRS 05 08:55:00.0, 2.5, 54.30N; 86.21E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

NNC 05 08:55:00.0, 2.5, 54.45N; 86.16E, h0km, mb3.3, mpv2.6, Error ellipse: s-maj=42.8km s-min=12.8km az=153.0, Suspected Mining explosion.

IDC 05 08:55:04.8, 2.1, 54.23N; 86.10E, h0km, mbtmp3.1/3, ML3.0/2, Error ellipse: s-maj=17.2km s-min=10.1km az=59.0

ISC 05 08:55:06.4, 0.4, 0.542N; 02.859E; 0.2, h0km, n9, o074/11, 4C-3D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZAAO Zalesovo Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, BVAR Borovoye Array, etc.

IDC 05 08:56:41.0, 1.1, 14.81N; 121.83E, h0km, mb3.8/7, mbtmp3.8/7, MS3.6/2, Error ellipse: s-maj=19.6km s-min=12.7km az=120.0

ISC 05 08:56:42.4, 1.2, 14.8N; 01.121E; 0.2, h10km, n13, o0569/8, mb3.7/7, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TGY Tagaytay City, CMAR Chiang Mai Arr, PMG Fort Moresby, etc.

ASRS 05 08:58:20.0, 0.7, 54.20N; 87.11E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 05 08:58:22.3, 2.5, 54.21N; 87.29E, h0km, mbtmp2.7/2, ML2.3/2, Error ellipse: s-maj=25.9km s-min=16.5km az=64.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ASRS 05 08:59:14.0, 0.7, 53.67N; 86.90E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

NNC 05 08:59:14.0, 0.7, 53.98N; 86.94E, h0km, mb2.8, mpv2.6, 3C-2D, Error ellipse: s-maj=32.5km s-min=12.3km az=18.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAAO Zalesovo Array, ZAAO Zalesovo Array, KURK Kurchatov, etc.

ASRS 05 09:14:17.0, 7.0, 3.49N; 1.82E, h9km, MLh3.1/11, Error ellipse: s-maj=9.3km s-min=2.6km az=125.2, confirmed

SOME 05 09:14:21.1, 48.92N; 81.87E, h5km, NNC 05 09:14:21.9, 1.3, 48.98N; 82.00E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=21.6km s-min=3.7km az=65.0, Suspected Mining explosion.

ISC 05 09:14:21.9, 0.8, 49.06N; 0.03, 82.09E; 0.03, h0km, n23, o172/47, 7C-4D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SEM Semipalatinsk, SEM Semipalatinsk, MAKZ Makanchi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GALT, AKAR Aktash, AKAR Aktash, etc.

MEX 05 09:36:55.0, 0.7, 26.14N; 110.89W, h11km, 11km, MD4.4, IDC 05 09:36:56.9, 0.6, 26.28N; 110.61W, h0km, mb4.1/10, mbtmp4.0/17, ML3.4/7, MS3.5/35, Error ellipse: s-maj=16.0km s-min=10.2km az=82.0

NEIC 05 09:36:58.8, 2.8, 26.16N; 0.04; 110.66W; 0.06, h10km, 1km, mb4.5/109, MD4.4/34(MEX), Error ellipse: s-maj=9.3km s-min=5.6km az=248.0

ISC 05 09:36:57.1, 1.8, 26.18N; 0.03; 110.76W; 0.03, h5km, 12km, n441, o174/390, mb4.5/53, MS3.5/30, 1C-7D, Gulf of California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NE77 Loreto B.C.S, NE77 Loreto B.C.S, NE77 Loreto B.C.S, etc.

CDDB Cd. Obregon, NEBO Navjoia, NEBO Navjoia

TSIG Topolobambo, TSIG Topolobambo, GUYB Guaymas, GUYB Guaymas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TSIG Topolobambo, GUYB Guaymas, GUYB Guaymas, etc.

LPIG La Paz, LPIG La Paz, LPIG La Paz, LPIG La Paz

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LPIG La Paz, LPIG La Paz, LPIG La Paz, etc.

CSIG Choix, CSIG Choix, CSIG Choix, CSIG Choix

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CSIG Choix, CSIG Choix, CSIG Choix, etc.

BKIRB Bahia Kino, BKIRB Bahia Kino, BKIRB Bahia Kino, BKIRB Bahia Kino

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKIRB Bahia Kino, BKIRB Bahia Kino, BKIRB Bahia Kino, etc.

LAPR La Primavera, LAPR La Primavera, LAPR La Primavera, LAPR La Primavera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LAPR La Primavera, LAPR La Primavera, LAPR La Primavera, etc.

HPIG HPIG, HPIG HPIG, HPIG HPIG, HPIG HPIG

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HPIG HPIG, HPIG HPIG, HPIG HPIG, etc.

Table with columns for station name, frequency, power, and status. Includes stations like WUAZ, ELN, ANMO, DRIO, U15A, R33A, POST, MVCO, ISA, APMT, AMTX, S22A, T25A, RTBA, SMWD, R11B, WMOK, Q24A, Q24A, NV11, NVAR, NVAR, DUG, N23A, OK031, HWUT, HWUT, OK052, AHID, PDAR, PDAR, WLAR, Z41A, SNOW, SNOW, TPAW, CMIG, CMIG, LOHW, WVOR, MOOV, X40A, H18R, H18R, MFID, J08A, YBH, FCAR, RSSD, J05D, J05D, MGMO, MGMO, I07A, PLID, G10O, BOZ, BOZ, PINE, PINE, LCAR, G08A, CCM, CCM, F10A, F10A, H04A, H04A, MSO, MSO, LAO, LAO, FVM, FVM, ECSD, HUEH, HUEH, HOOD, HOOD, E09A, E09A, HAWA, HAWA, G03D, PETF, E07A, E07A, D08A, EGMT, NEW, DGMT, TKL, AGMN, ULM, JTS, BBB, FFC, SADO, V35K, U33K, TOAD, S34M.

Table with columns for station name, frequency, power, and status. Includes stations like DLBC, DLBC, L61B, KOTAN, SIT, S32K, Q32M, R33M, WTLY, YKA, YKA, P32M, P33M, PLBC, WRGLY, WRGLY, WHY, P29M, P30M, O30N, FARO, O29M, HYT, N31M, N30M, PINM, YUKA, O28M, YUK8, M29M, YUK3, MAYO, KAIM, L29M, L29M, Q23K, BVCY, M29M, K27K, SDV, J30M, EYAK, SJG, M26K, N25K, N25K, P23K, L27K, DAWY, H30M, KLU, GLI, L26K, SCHO, M24K, PWL, SEW, KDAK, KDAK, SCM, EGAK, EGAK, OHAK, PAX, EPYK, M23K, BRSE, SII, KNK, I28M, SCRK, RIDG, F31M, H29M, RC01, G30M, J26L, PMR, CHIR, WAT6, C36M.

Table with columns for station name, frequency, power, and status. Includes stations like K24K, R18K, I27K, DHY, G29M, F30M, I26K, Q19K, M22K, WAT1, INK, O20K, J25K, J25K, P19K, H27K, CUT, SPU, Q18K, RND, RND, SPCR, STLK, STLK, G27K, G27K, SKT, Q17K, IL31, ILAR, ILAR, MCK, TAOE, PRP, F28M, O19K, P18K, E29M, TRF, COLA, O18K, CHGN, R16K, M20K, M20K, Q16K, N19K, CHNA, NEA2, G26K, P17K, E28M, BPAW, CAST, E27K, H24K, I23K, N18K, G25K, L20K, O17K, D28M, F26K, P16K, CHUM, L19K, PCRV, M18K, G24K, F25K, F25K, A36M, N17K, O16K, D27M, K20K, E25K, M17K, F24K, F24K.

5d 10h

Table with columns for station code, name, frequency, and signal strength. Includes stations like HNS, DL2, TOOLANGI, MLBS, etc.

2019 JAN

Table with columns for station code, name, frequency, and signal strength. Includes stations like HYB, Ulaanbaatar, SONMI, MSVF, etc.

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Table with columns for station code, name, frequency, and signal strength. Includes stations like DRK, KBL, KBL, ZAAO, ZALV, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like KIROV, PURCELL MOUNTA, BONANZA CREEK, GEVAS, KHBAB, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other details. Includes stations like TECA, TECO, RANC, PACA, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like VITO, PRVC, TEIG, BRU2, etc.

S22A	4UR Ranch, Cre	29.48 330	P	P	11 25 26.5 +2.7
X16A	Lo Mia Camp, P	29.69 320	P	P	11 25 26.8 +1.4
Q24A	Divide	29.69 334	P	P	11 25 27.2 +1.6
JFW5	Jewell Farm	29.84 358	Iamb	Iamb	11 25 28.5
N23A	Red Feather La	31.64 335	Iamb	Iamb	11 25 45.6
N23A	Red Feather La	31.64 335	P	P	11 25 44.9 +2.1
ETMB	Extrema	31.81 134	P	P	11 25 45.1 +0.9
ETMB	Extrema	31.81 134	eP	P	11 25 43.2 +0.2
SADO	Sadowa	32.70 13	LR	LR	11 38 24.5
RSSD	Black Hills	33.70 340	P	P	11 26 01.4 +0.7
RSSD	Black Hills	33.70 340	Iamb	Iamb	11 26 04.2
PDAR	Pinedale Array	34.73 333	P	P	11 26 10.7 +1.1
PDAR	Pinedale Array	34.73 333	PcP	PcP	11 28 41.2 -0.9
HWUT	Hardware Ranch	34.78 329	Iamb	Iamb	11 26 12.8
AHID	Auburn Hatcher	35.44 331	Iamb	Iamb	11 26 20.6
LPAZ	La Paz	35.49 144	P	P	11 26 18.0 +1.2
LOHW	Long Hollow	35.87 332	Iamb	Iamb	11 26 22.5
TPAW	Teton Pass	35.93 332	Iamb	Iamb	11 26 24.0
MOOW	Moose Ponds	36.03 332	Iamb	Iamb	11 26 23.7
NVAR	Minna Array Bea	36.50 319	P	P	11 26 26.7 +1.9
NVAR	Minna Array Bea	36.50 319	P	P	11 26 41.0 -0.3
NVAR	Minna Array Bea	36.50 319	PcP	PcP	11 28 48.9 +1.5
NVAR	Minna Array Bea	36.50 319	PcP	PcP	11 29 05.3
NVAR	Minna Array Bea	36.50 319	PcP	PcP	11 29 05.3
LAO	LASA Array	36.69 340	Iamb	Iamb	11 26 29.3
ULM	Lac du Bonnet	37.61 352	P	P	11 26 33.2 -0.6
ULM	Lac du Bonnet	37.61 352	P	P	11 26 49.2 -1.1
BOZ	Bozeman (W)	37.88 334	Iamb	Iamb	11 26 41.2
DLMT	Dillon	38.12 332	P	P	11 26 40.1 +1.7
DLMT	Dillon	38.12 332	Iamb	Iamb	11 26 40.8
VILB	Vilhen	38.24 131	P	P	11 26 39.5 -0.1
VILB	Vilhen	38.24 131	eP	P	11 26 40.1 +0.6
WVOR	Wild Horse Val	39.15 324	Iamb	Iamb	11 26 49.1
J08A	Circle Bar Ran	39.66 325	Iamb	Iamb	11 26 53.9
MSO	Missoula	39.85 333	Iamb	Iamb	11 26 54.8
PRDR	Porto dos Gacs	40.05 126	eP	P	11 26 53.8 -0.8
F10A	Beach Ranch, E	40.77 329	P	P	11 27 01.2 +0.9
NEW	Newport	42.38 132	P	P	11 27 13.9 +0.6
FFC	Flin Flin	42.92 349	P	P	11 27 18.6 +1.0
SNDB	Serra Nova Dou	44.63 122	eP	P	11 27 31.9 0.0
SCHO	Schefferville	45.12 18	P	P	11 27 34.4 -0.8
SCHO	Schefferville	45.12 18	PcP	PcP	11 29 13.0 -1.8
BDQN	Bodoquena, MS	45.73 136	eP	P	11 27 40.3 -0.2
ARAC	Araguiana, MT	46.31 127	eP	P	11 27 40.0 -1.1
H03N2	Juan Fernandez	47.10 169	T	T	12 18 17.4
H03N1	Juan Fernandez	47.11 169	T	T	12 18 16.7
H03N3	Juan Fernandez	47.12 169	T	T	12 18 14.9
BDFB	Brasililia	49.28 124	P	P	11 28 07.3 -1.0
CPUP	Villa Florida	49.58 142	P	P	11 28 09.9 -0.3
YKA	Yellowknife A	52.78 345	P	P	11 28 33.6 0.0
TOAD	Toad River Com	53.28 337	P	P	11 28 37.5 0.0
KOTAN	Kotanelee Air	53.75 339	P	P	11 28 41.3 +0.5
T35M	Bob Quinn	54.11 333	P	P	11 28 45.3 +1.8
WRAK	Wrangell Island	54.72 332	P	P	11 28 49.9 +2.0
DLBC	Dease Lake	54.90 335	P	P	11 28 51.0 +1.7
S34M	Telegraph Cree	55.05 334	P	P	11 28 51.8 +1.5
WTLV	Watson Lake, Y	55.48 337	P	P	11 28 54.3 +0.9
WRGLV	Wrigley	55.82 342	P	P	11 28 56.1 +0.3
R33M	Jennings River	55.88 335	P	P	11 28 57.4 +0.9
PLCA	Paso Flores	56.04 163	P	P	11 28 58.7 +1.0
Q32M	Nakina River	56.15 335	P	P	11 29 00.2 +1.7
P32M	Atlin	57.12 335	P	P	11 29 06.3 +1.1
N32M	Quiet Lake	57.78 336	P	P	11 29 10.6 +0.3
WHY	Whitehorse	58.21 335	P	P	11 29 13.3 +0.5
FARO	Faro, Yukon	58.52 337	P	P	11 29 14.8 -0.1
O30N	Mendenhall	58.77 335	Iamb	Iamb	11 29 18.5
O30N	Mendenhall	58.77 335	P	P	11 29 17.3 +0.6
P30M	Million Dollar	58.78 334	P	P	11 29 17.9 +1.2
P29M	Windy Craggy	58.87 333	P	P	11 29 17.9 +0.6
M31M	Drury Creek, Y	58.90 337	P	P	11 29 18.1 +0.6
N31M	Braeburn, Yuko	59.04 336	P	P	11 29 19.1 +0.6
H31M	Haines Junctio	59.38 335	P	P	11 29 21.9 +0.8
N30M	Aishikik Lake	59.55 335	P	P	11 29 23.0 +0.9
YUK6	Outpost Mounta	59.80 334	P	P	11 29 24.3 +0.2
YUK4	Talbot Arm	60.13 335	P	P	11 29 27.4 +1.2
PINM	Pinnacle	60.20 333	P	P	11 29 27.6 +1.1
MAYO	Mayo, Yukon	60.27 338	P	P	11 29 27.5 +0.6
MAYO	Mayo, Yukon	60.27 338	P	P	11 29 27.9 +1.1
YUK8	Steele Glacier	60.57 334	P	P	11 29 29.8 +0.5
C36M	Paulatuk	60.60 346	P	P	11 29 28.4 -0.6
M29M	Somme Creek	60.62 336	P	P	11 29 30.1 +0.7
M29M	Somme Creek	60.62 336	P	P	11 29 30.5 +1.1
L29M	L29M	60.84 337	P	P	11 29 31.1 +0.3
J30M	Hart River	60.98 339	P	P	11 29 32.1 +0.2
K29M	Barlow Dome	61.01 338	P	P	11 29 32.6 +0.5
H31M	Peel River	61.03 340	P	P	11 29 32.1 0.0
YUK3	Moose Creek	61.10 335	P	P	11 29 32.5 -0.3
I30M	Mount Dempster	61.37 339	P	P	11 29 34.9 +0.4
BVCY	Beaver Creek	61.57 335	P	P	11 29 36.0 +0.2
DAWY	Dawson	61.83 337	P	P	11 29 37.3 -0.2
F31M	Tsirehchic	61.85 342	P	P	11 29 37.6 +0.2
M27K	Edge Creek, AK	61.96 335	P	P	11 29 39.3 +0.8
EPYK	Eagle Plains	62.15 340	P	P	11 29 39.3 -0.3
L27K	Beaver Creek,	62.27 336	P	P	11 29 41.0 +0.6
INK	Inuvik	62.33 343	P	P	11 29 41.0 +0.3
G30M	Aoh Zraii Nji	62.34 341	P	P	11 29 41.1 +0.2
BMRM	Bremner River	62.52 333	P	P	11 29 42.8 +0.7
F30M	Barrow River	62.58 342	P	P	11 29 43.1 +1.1
H29M	Whitestone	62.61 340	P	P	11 29 43.1 +0.5
I28M	Miner Creek	62.75 338	P	P	11 29 43.6 0.0
N25K	Chitina, Valde	62.78 334	P	P	11 29 44.0 +0.1
EGAK	Eagle	62.85 338	P	P	11 29 44.6 +0.4
EGAK	Eagle	62.85 338	Iamb	Iamb	11 29 45.0
EGAK	Eagle	62.85 338	P	P	11 29 44.1 -0.1
A36M	Sachs Harbour	62.88 348	P	P	11 29 43.5 -0.7
G29M	Pine Creek	62.88 340	P	P	11 29 45.1 +0.7
KLU	Klutina	63.31 333	P	P	11 29 47.6 +0.2
I27K	Kandik River	63.43 338	P	P	11 29 48.8 +0.7
SCRK	Sand Creek	63.56 336	P	P	11 29 49.6 +0.6
J26L	Joseph Creek	63.63 337	P	P	11 29 50.7 +1.2
M24K	Tolsona, Glenn	63.67 334	P	P	11 29 50.2 +0.4
E29M	Slow River	63.68 342	P	P	11 29 50.4 +0.8
H27K	Steamboat Moun	63.71 339	P	P	11 29 50.9 +0.9
PAX	Paxson	63.72 335	P	P	11 29 50.6 +0.4
RIDG	Independent Ri	63.79 336	P	P	11 29 51.5 +0.9
I26K	Coal Creek Min	63.85 338	Iamb	Iamb	11 29 53.0
I26K	Coal Creek Min	63.85 338	P	P	11 29 51.9 +1.1
F28M	Old Crow	63.87 341	P	P	11 29 51.6 +0.7
ICESG	Greenland Ices	64.03 18	i P	Iamb	11 29 49.8 -2.6
ICESG	Greenland Ices	64.03 18	Iamb	Iamb	11 29 52.4
G27K	Doyon Strip	64.04 339	Iamb	Iamb	11 29 53.0
G27K	Doyon Strip	64.04 339	P	P	11 29 52.6 +0.5
SCM	Sheep Creek Mo	64.06 333	P	P	11 29 52.9 +0.5
PWL	Port Wells	64.15 332	P	P	11 29 54.2 +1.2
M24K	Donnelly Dome	64.20 336	P	P	11 29 53.9 +0.7
K23K	Glear River	64.22 333	P	P	11 29 53.4 0.0
E28M	Babbage River	64.30 342	P	P	11 29 53.7 0.0
J25K	Salcha River	64.38 336	Iamb	Iamb	11 29 56.0
J25K	Salcha River	64.38 336	P	P	11 29 54.9 +0.5
KNK	Knik Glacier	64.41 333	P	P	11 29 55.6 +1.0
D28M	Stokes Point	64.46 342	P	P	11 29 55.8 +1.1
SML	Sawmill	64.50 333	P	P	11 29 55.1 0.0
WAT6	Susitna Watana	64.52 334	P	P	11 29 55.6 +0.1
E27K	Coleen River	64.72 341	Iamb	Iamb	11 29 58.2
E27K	Coleen River	64.72 341	P	P	11 29 57.3 +0.7
PMR	Palmer	64.77 333	P	P	11 29 57.1 +0.2
PRP	Porcupine Dome	64.83 337	P	P	11 29 57.8 +0.4
G26K	Porcupine Rive	64.85 339	P	P	11 29 57.7 +0.4
RC01	Rabbit Creek A	64.88 332	P	P	11 29 58.2 +0.6
WAT1	Susitna Watana	64.96 334	P	P	11 29 58.2 0.0
IL31	Thorfare Moun	65.04 336	Iamb	Iamb	11 29 58.8
ILAR	Eielson Array	65.04 336	P	P	11 29 58.2 -0.3
D27M	Malcolm River	65.08 342	Iamb	Iamb	11 30 00.2
D27M	Malcolm River	65.08 342	P	P	11 29 59.8 +0.9
F26K	Sheenjek River	65.32 340	P	P	11 30 01.2 +0.8
BMAR	Burnt Mountain	65.35 339	P	P	11 30 01.6 +1.0
POKR	Poker Plat Res	65.39 337	P	P	11 30 01.1 +0.2
COLA	College	65.46 336	P	P	11 30 01.3 0.0
MCK	McKinley	65.46 335	P	P	11 30 01.4 0.0
CUT	Chulitna	65.56 333	P	P	11 30 02.0 0.0
G25K	Bearman Lake	65.58 338	P	P	11 30 03.0 +1.0
F25K	Christian River	65.79 339	P	P	11 30 04.7 +1.2
NEA2	Nena	65.83 336	P	P	11 30 04.4 +0.6
H24K	Noodor Dome	65.85 337	P	P	11 30 04.6 +0.7
TRF	Thorfare Moun	65.92 334	P	P	11 30 05.0 +0.5
SKT	Skwentna	65.98 333	P	P	11 30 05.0 +0.3
E25K	Arctic Village	66.00 340	Iamb	Iamb	11 30 06.3
E25K	Arctic Village	66.00 340	P	P	11 30 05.7 +0.9
G24K	Hadweenzic Riv	66.05 338	Iamb	Iamb	11 30 06.5
G24K	Hadweenzic Riv	66.05 338	P	P	11 30 06.1 +1.0
P19K	Oil Pt	66.09 330	P	P	11 30 06.2 +0.7
Q19K	Capo Douglas,	66.11 329	P	P	11 30 05.7 +0.1
C27K	Jago River	66.11 342	Iamb	Iamb	11 30 06.8
C27K	Jago River	66.11 342	P	P	11 30 06.4 +1.0
I23K	Minto, Yukon-K	66.15 336	P	P	11 30 06.0 +0.2
BPAW	Bear Paw Mtn,	66.44 335	P	P	11 30 07.2 -0.4
F24K	Squaw Lake	66.53 339	P	P	11 30 09.1 +0.8
PPLA	Purkeypile	66.56 333	P	P	11 30 08.5 -0.1
C26K	Camden Bay	66.62 342	P	P	11 30 09.9 +1.3
M20K	Styx River	66.67 332	Iamb	Iamb	11 30 10.4
M20K	Styx River	66.67 332	P	P	11 30 09.3 +0.1
CAST	Castle Rocks	66.67 334	P	P	11 30 08.8 -0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DAG, C16K, F14K, TNA, EKA, ESDC, ESDD, SPITS, ARCES, TORD, KURBS, BOSAS, SONMI, KSRSS, MKAR, WRA, WRA, ASAR, CMAR.

GUC 05 11:27.22.0.6, 3.194S; 71.62W, h15km, 3ML, 2.5,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like CO04, VA06, VA01, ROCH, VA03, CO06, CO03, CO03, PEL, MT10, FCH, MT03, G004, MT09, MT01, BO04, CO01.

IDC 05 11:36:14.8.2.1, 17.65S; 178.82W, h580km, 22km, mb3.2/9, mbmp4.1/10, Error ellipse: s-maj=56.1km s-min=16.1km az=148.0

NEIC 05 11:36:20.40.0.18, 1.1S; 0.1x1.179:2W:0.2, h579km, 18km, mb4.1/20, Error ellipse: s-maj=32.1km s-min=8.1km az=59.0

ISC 05 11:36:16.6.0.7, 17.7S; 0.1x1.178:9W:0.1, h600km, n33, a=109/33, mb4.0/18, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like MSFV, RAO, EIDS, ARMA, CTA, CTAO, PMG, MANU, COEN, TOO, STKA, BBOO, WB2, WRAB, WRA, AS31, MTN, FORT, FITZ, PSAA, MBWA, SBA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like QSPA, PETK, NVAR, ILAR, TXAR, PDAR.

DJA 05 11:45:56.0.0.3, 1.2S; 2.127.7E.1, h10km, M3.2/6, MLV3.2/6 IDC 05 11:45:57.4.2.1, 1.31S; 127.38E, h0km, mb3.3/2 mbmp3.2/3, ML3.2/1, Error ellipse: s-maj=162.8km s-min=27.3km az=66.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like LBMI, TINTI, SANI, NLAI, WRA, ASAR, MKAR.

IDC 05 11:50:32.8.1.8, 0.60S; 128.06E, h0km, mb3.4/4,

mbmp3.5/4, Error ellipse: s-maj=158.7km s-min=22.6km az=68.0

DJA 05 11:50:36.4.0.3, 1.2S; 2.127.7E.1, h10km, M3.7/8, MLV3.7/8

ISC 05 11:50:34.8.0.9, 0.98S; 0.04x127.53E:0.07, h10km, n10, a=69/13, mb3.7/3, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like LBMI, TINTI, SANI, NLAI, MSAI, LUWU, WRA, ASAR, MKAR, KURBS.

IDC 05 12:05:52.6.2.5, 2.11S; 179.12W, h597km, 22km, mb3.0/9,

mbmp3.9/10, Error ellipse: s-maj=45.2km s-min=17.0km az=149.0

ISC 05 12:05:52.5.1.1, 2.12S; 0.3x179.1W:0.2, h600km, n36, a=105/32, mb3.5/9, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like MSFV, ASAR, WRA, MJAR, PETK, NVAR, TXAR, ILAR, CMAR, PDAR, BVAR, SPITS, FINES, NOA, HFS, AKASG, AK23, KIUV, AK09, AK21, MI28, RNP9, RNP9S, LUGAR, DIKM, SORM, NDNUN, EKA, KMPD, BRTR, BR10E, MORS, STPK, KSV, MMAI, GERES.

JMA 05 12:10:25.5.0.1, 2.4N; 1.24W, h52km, 1km,

MV3.0/13, NW OFF ISHIGAKIJIMA ISL

ISC 05 12:10:25.7.1.4, 2.43N; 100.8233E:0.03, h51km, 9km, n19, a=63/28, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like YQJ, YQJ, YQJ, JYNG, JYNG.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like IRIF, IRIF, HATJ, KURO, IKRS, JIU, JIU, JISG, JISG, JTJ, JTJ, NACB, JIRB, JIRB, TATO, TATO, YHNB, YHNB, JMW, JMW, YULB, YULB, SSSL, SSSL, TPUB, TPUB, JOW, JOW.

IDC 05 12:24:27.8.0.8, 56.34S; 27.81W, h0km, mb4.2/6, mbmp4.2/7, Error ellipse: s-maj=31.6km s-min=20.0km az=92.0

NEIC 05 12:34:30.3.0.5, 56.4S; 0.1x27.7W:0.1, h15km, 7km, mb4.5/15, Error ellipse: s-maj=19.6km s-min=9.3km az=199.0

ISC 05 12:34:29.3.0.5, 56.38S; 0.09x27.7W:0.1, h10km, n108, a=65/59, mb4.4/12, ID, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like HOPE, SNA, SNA, PMSA, TROLL, BELA, BELA, AY01, AY01, QSPA, QSPA, SPB, AC04, Vnda, Vnda, PTBL, PTBL, H04S2, H04S3, H04S1, G001, H10S2, H10S3, H10N1, H10N2, H10N3, VILB, TSUM, LPAZ, LPAZ, DBIC, COHC, OTAV, RUSC, RUSC, YKA, N30M, H31M, F31M, J30M, M29M, INK, L29M, L29M, K29M, I30M, YUK3, G30M, EPYK, F30M, DAWY, BVCY, H29M, G29M, M27K, I28M, E29M, L27K, D28M, E28M, L26K, I27K, H27K, G27K.

5d 13h

Table with columns: J26L, SCRK, I26K, D27M, E27K, RIDG, PAX, M24K, G26K, G24K, K24Q, J25K, NRIK, F26K, PR7P, CR2K, DHY, WAT6, ILAR, F25K, G25K, E25K, WAT1, D25K, H24K, MCK, NEA2, F24K, CUT, SONM, TRF, E24K, D24K, E23K, BPWV, G23K, TOLK, COLD, CAST, D23K, C23K, H22K, G22K, F22K, H21K, D21K. Each row contains station name, coordinates, time, and other parameters.

IDC 05 12:37:30.0-0.9, 30'59N-99'64E, h0km, mb3.8/12, mbmp3.8/13, ML3.4/1, MS3.6/1, Error ellipse: s-maj=36.6km s-min=16.1km az=53.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SONM, MKAR, KSRS, KURB, ZALV, BVAR, NRK, AKAS, FINES, ARCES, WRA, HFS, NOA, ASAR.

TEH 05 12:38:39.6, 34'89N-46'09E, h8km, 49km
ISN 05 12:38:42.9-1.9, 34'92N-45'95E, h25km, ML2.5
ISC 05 12:38:38.0-1.3, 34'99N-0'08-46'18E-0'05, h10km, n9,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include IDHR, ILIN, KGS, IGH, GLG, KCHF, ILBA, IKRK, IKRK, IKRM, IKFM.

2019 JAN

IDC 05 12:38:45.0-6.9, 24'12S-179'87W, h453km, 76km, mb3.0/5, mbmp3.9/6, Error ellipse: s-maj=47.2km s-min=27.9km az=28.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include URZ, CTA, ASAR, WRA, GSPA, NVAR, HFS.

IDC 05 12:42:44.1-1.1, 56'24S-27'78W, h0km, mb3.8/2, mbmp3.8/2, MS3.1/1, Error ellipse: s-maj=85.9km s-min=32.0km az=93.0, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SNA, GSPA, H10S2, H10S3, H10N1, H10N3, H10N2, TORD, YKA, INK, ILAR.

IDC 05 12:44:06.2-2.1, 0'84S-127'76E, h0km, mb3.1/4, mbmp3.2/4, Error ellipse: s-maj=197.5km s-min=23.5km az=67.0

DJA 05 12:44:08.7-0.3, 1'S-2'12'E, h10km, MS3.7, MLV3.3/7
ISC 05 12:44:07.6-0.8, 1.05S-0'04-127'56E-0'09, h10km, n10,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LBMI, TINT, SANI, MSAI, WRA, ASAR, MKAR, KURB.

GUC 05 12:53:49.2-0.8, 20'81S-69'07W, h98km, 4km, ML3.5
SJA 05 12:53:49.0, 20'80S-69'15W, h87km, ML3.5
ISC 05 12:53:49.3-1.8, 20'79S-0'04-69'13W-0'07,

n103km, 12km, n18, 09'124, 3C-1D Northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PB01, PB02, PB03, PB04, PB05, PB06, PB07, PB08, PB09, TA01, TA02, GO01, GO02.

KRSC 05 12:58:16.0-0.7, 52'38N-160'07E, h50km, 5km, MI3.9, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SPN, NLC, DALK, AVH, PET, KOK, KRX, RUS, KRMR, MTRV.

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Table with columns: GRL, GNL, GNC, APC, PAC, PAU, KMN, ESO, SKR, KBTR. Each row contains station name, coordinates, time, and other parameters.

JMA 05 13:03:17.2-0.6, 44'N-14'48'E, h0km, MV3.5/16, SE OFF TOROFU

SKHL 05 13:03:17.0-0.2, 44'50N-148'50E, h39km, 1km, mb4.0/3
ISC 05 13:03:14.3-3.3, 44'41N-109'08'44E-0'2, h9km, 15km, n12, c14820, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KUR, JAR, SHO, SHO, SHO, SHO, NEM, NEM, NMR, NMR, NMR, JRA, JKH, AKK, AKK, AKK, AKK, JAK, JAK, JTR, JAR, JCH, JCH, JNB.

IDC 05 13:05:58.7-4.3, 12'31N-123'65E, h75km, 38km, mb3.7/8, mbmp4.0/9, ML4.5/1, MS3.1/9, Error ellipse: s-maj=51.4km s-min=4.9km az=84.2

NEIC 05 13:05:59.1-1.9, 12'1N-0'1-123'5E-0'2, h63km, 12km, mb4.2/8, Error ellipse: s-maj=30.2km s-min=13.0km az=65.0

ISC 05 13:05:56.1-0.9, 12'2N-0'1-123'7E-0'2, h50km, n30, c131/23, mb4.0/12, MS3.0/7, Luzon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TG, MYLD, JOW, KAPI, JNU, BAI, CMAR, CMAR, KSRS, MJAR, WB0, WRAB, WRA, WB2, LSA, ASAR, ASAR, SONM, MK31, MKAR, MKAR, MKAR, YAK, ZALV, KURB, SIMJ, HRA, HRA, ABKAR, NOA, YKA.

IDC 05 13:12:58.6-7.1, 30'57S-177'49W, h0km, mb3.4/2, mbmp3.4/2, MS3.0/1, Error ellipse: s-maj=299.1km s-min=56.0km az=156.0, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PPT, ASAR, WRA, FINES.

KRSC 05 13:21.23.0.9, 55.07N-165.02E, h30km, 22km, M13.6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Bering, Krutoberegovo, Bezymyanni-Gr, etc.

IDC 05 13:28.46.8.3.9, 63.02S-148.76E, h0km, mb3.3/2, mbtm3.6/3, ML3.9/1, Error ellipse: s-maj=511.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Vanda, ASAR Alice Springs, WRA Warramunga Arr, etc.

NEIC 05 13:30.16.8.1.4, 18.98N-0.09-145.4E, 0.1, h236km, 9km, bz=90.0, Error ellipse: s-maj=20.3km s-min=13.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like GUMU Guam, JOW Kunigami, PATS Pohpei, etc.

ISC 05 13:30.17.6.2.5, 18.96N-145.47E, h252km, 25km, mb3.4/14, mbtm3.4/17, Error ellipse: s-maj=18.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMM Marumori, JTM Tenmabayashi, YHNB Yeheng, etc.

ISC 05 13:30.17.6.0.5, 18.89N-0.06-145.2E, 0.1, h250km, n56, s156/57, mb4.0/28, Mariana Islands

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like GUMU Guam, JOW Kunigami, PATS Pohpei, etc.

BMAR Burtt Mountain 65.14 24 P P 13 40 31.5 -0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BCAR Beaver Creek A, BVAR Borovoye Array, L29M L29M, etc.

IDC 05 13:51.25.4.6.0, 6.61S-142.62E, h0km, mb3.7/2, mbtm3.9/4, ML3.2, Error ellipse: s-maj=222.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

IDC 05 14:02.26.9.0.7, 55.11N-164.89E, h0km, mb3.9/15, mbtm3.9/17, ML3.8/2, MS2.7/1, Error ellipse: s-maj=22.0km s-min=13.6km az=154.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BVAR Borovoye Array, MKAR Makanchi Array, etc.

KRSC 05 14:02.28.0.1.5, 55.02N-164.91E, h60km, 19km, ML4.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BVAR Borovoye Array, NVAR Mina Array, PDAR Pinedale Array, etc.

NEIC 05 14:02.29.2.1.5, 55.2N-0.2-164.9E, 0.3, h100km, 2km, mb4.0/13, Error ellipse: s-maj=38.2km s-min=22.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BVAR Borovoye Array, etc.

MOS 05 14:02.30.1.0.6, 55.05N-164.94E, h56km, mb4.0/1, Error ellipse: s-maj=7.7km s-min=6.4km az=57.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BVAR Borovoye Array, etc.

ISC 05 14:02.31.6.0.5, 55.04N-0.04-164.94E, 0.03, h34km, n102, s123/113, mb3.9/22, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BKI Bering, BKI Bering, KBTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KIRP Kirishev, KMNR Kamenistaya, KMNR Kamenistaya, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KPT Kopyto, KOZ Kozyrevsk, SDRD Sredinyan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SPN Mys Shipunski, SPN Mys Shipunski, ESO Esso, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ESO Esso, NLC Nalychtchevo, AVH Avacha, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like AVH Avacha, KRX Arik, KRX Arik, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KOK Koryaka, KOK Koryaka, DALK Dalny, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DALK Dalny, PET Petropavlovsk, PET Petropavlovsk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PET Petropavlovsk, PET Petropavlovsk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PET Petropavlovsk, GNL Ganaly, GNL Ganaly, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like OSSR Ossora, OSSR Ossora, KRMR Karymshinskiy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KRMR Karymshinskiy, KRMR Karymshinskiy, RUS Russkaya, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like RUS Russkaya, PEAOB Petropavlovsk, PEAOB Petropavlovsk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PEAOB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PETK Petropavlovsk, MTRV Mutnovka, MTRV Mutnovka, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like GRL Gorelyy, GRL Gorelyy, PALN Palana, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PALN Palana, APC Apacha, APC Apacha, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like APC Apacha, KDR Khotudka, KDR Khotudka, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KDR Khotudka, TILK Tilichiki, TILK Tilichiki, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TILK Tilichiki, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

E23K comp=Z,3.9nm,0.9s Iamb Iamb 14 07 50.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TOLK Toolik Lake, E24K Your Creek, D24K Happy Valley, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like D25K Kavik River, MJAR comp=Z,2.9nm,0.8s, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like J25K Salcha River, KSRS Korea Array, H112 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H113 WAKE ISLAND, H114 WAKE ISLAND, H115 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H116 WAKE ISLAND, H117 WAKE ISLAND, H118 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like H119 WAKE ISLAND, H120 WAKE ISLAND, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SPITS Spitsbergen Arr, KURK Kurchatov, KURB Kurchatov, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like MKAR Makanchi Array, BVAR Borovoye Array, NVAR Mina Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PDAR Pinedale Array, NOA NORARS Array, TXAR comp=Z,2.63nm,0.4s, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TXAR comp=Z,2.63nm,0.4s, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ESDC Sonseca Array, QSPA South Pole Qu, NAO 05 14:15.06.6.3, 71.46N-11.56W, ML4.3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like IDC 05 14:15.07.0.7, 51.27N-11.50W, h0km, mb3.3/3, mbtm3.3/3, ML3.0/2, MS3.2/4, Error ellipse: s-maj=26.5km s-min=19.0km az=24.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BER 05 14:15.09.0.2, 71.42N-11.60W, h10km, mb(Pn)4.3, ML2.7(DNK), Confirmed Earthquake, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DNK 05 14:15.13.0.1.4, 71.62N-12.08W, h32km, 13km, ML2.7, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ISC 05 14:15.07.0.0.7, 71.49N-10.06W, h158km, 0.05, h10km, n52, s156/42, mb3.3/3, MS3.2/21, 2C, Jan Mayen Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like JMI Jan Mayen, JMI Jan Mayen, JMI Jan Mayen, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes data for stations like Col San Antoni, Esperanza - Ma, and Hat Mayor del.

5-min=5.3km az=159.0
RSRP 05 16:45:47.8, 18.89N, 65.11W, h21km, 25km, MD2.9/14
ISC 05 16:45:44.2, 6.2, 18.88N, 0.09, 65.17W, 0.03, h11km, 16km, n67, c0563/76, 18C-9D, Puerto Rico region

IDC 05 16:59:57.2, 4.2, 34.69N, 23.47E, h0km, mb3, 7/6, mbtmp3, 6/8, ML3.9/2, Error ellipse: s-maj=83.5km s-min=27.7km az=24.0

ATH 05 17:00:01.4, 34.69N, 23.23E, h16km, 3km, ML3.0/6, Error ellipse: s-maj=3.4km s-min=1.9km az=1.0

THE 05 17:00:06.7, 34.88N, 23.55E, h33km, 15km, ML2.7/2, Error ellipse: s-maj=15.1km s-min=2.0km az=138.0

ISC 05 17:00:01.6, 2.2, 34.89N, 23.01E, 0.06, h31km, 12km, n21, c131/30, mb3, 7/6, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes data for stations like Palaiochora Ch, GVD, IMMV, and CHAN.

Table with columns: ANKY, Station Name, Az, Phase ID, Time, Res, ISC. Includes data for stations like Antikythira Is, Anoyia, and HFS.

NEIC 05 17:08:31.5, 1.5, 14.90N, 0.07, 91.48W, 0.04, h148km, 4km, mb4.5/140, Error ellipse: s-maj=10.8km s-min=4.0km az=204.0

SNET 05 17:08:31.2, 1.2, 14.83N, 91.57W, h149km, 6km, ML4.1
RSNC 05 17:08:31.6, 1.5, 14.90N, 0.07, 91.48W, 0.04, h148km, 14km, ML4.1, mb4.8, mb4.5, Mw(mb)4.5, Hypocentre not reviewed by the ISC

GCG 05 17:08:31.2, 1.3, 14.90N, 91.55W, h148km, 6km, MD4.4, Hypocentre not reviewed by the ISC
IDC 05 17:08:32.4, 0.9, 14.98N, 91.15W, h157km, 6km, mb3.8/16, mbtmp4.2/18, MS3.0/2, Error ellipse: s-maj=24.3km s-min=9.7km az=51.0

ISC 05 17:08:31.2, 0.5, 14.87N, 0.05, 91.51W, 0.05, h155km, 4km, n212, c1909/228, mb4.4/54, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes data for stations like SOKI, RTAL, HUEH, and ESQI.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes data for stations like SCIG, TGUH, CRIN, and JTS.

Table with columns: NMDO, Station Name, Az, Phase ID, Time, Res, ISC. Includes data for stations like BRAL, DRIO, 435B, and many others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Saint Louis, Rita Blanca, Wyandotte Cave, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARCERES ACCESS Array B, FINES FINES Array B, KURBB Kurchatov Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MHM comp=E,645nm,0.3s, MHA Mahukona, MLH Mauna Loa, etc.

5d 18h

Table with columns: CCAC, Calif City Air, Pn, 17 31 01.6 -2.1, 17 31 43.5, etc. Includes stations like ESCC, PESC, GLA, GSC, ISA, SFX, 113A, GYW, V12A, PMP, WCT, SHPR, TPNV, DSP, SAO, PRN, X15A, LCMT, KCPM.

NEIC 05 18:07:32.9, 1.7, 55:3N, 0.1, 164:6E, 0.1, h10km, 1km, mb4.2/36, Error ellipse: s-maj=20.2km s-min=12.0km az=154.0

IDC 05 18:07:32.0, 0.8, 55:42N, 164:53E, h0km, mb3.6/15, mltmp3.7/18, ML3.8/3, MS3.1/6, Error ellipse: s-maj=22.1km s-min=15.0km az=164.0

KRSC 05 18:07:33.0, 1.0, 55:29N, 164:41E, h50km, mb3.4/5, mltmp3.7/18, ML3.8/3, MS3.1/6, Error ellipse: s-maj=22.1km s-min=15.0km az=164.0

MOS 05 18:07:34.4, 1.2, 55:33N, 164:57E, h49km, mb4.4/5, Error ellipse: s-maj=7.6km s-min=6.0km az=66.5

ISC 05 18:07:34.5, 0.5, 55:34N, 164:49E, 0.0, h22km, n132, e124/140, mb4.0/30, Komandorsky Islands region

Main station list table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Includes stations like Bering, Krutoberegovo, Mys Shipunski, Petropavlovsk, etc.

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Main station list table with columns: K15K, Iamb, Iamb, 18 11 50.1, 18 11 53.2 -0.8, etc. Includes stations like Lisburne Hills, Yakutsk, Kwethluk River, Baldwin Pennin, etc.

BUI 05 18:13:43.7, 3.0, 66N, 31:56E, h9km, mb5.1/7, mb4.6/27, Ms4.5/2, Ms7.4/32, IDC 05 18:13:43.9, 0.5, 3:17N, 31:35E, h0km, mb4.4/21, mbtmp4.4/23, ML3.2/2, MS3.8/16, Error ellipse: s-maj=15.9km s-min=13.3km az=91.0

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Main station list table with columns: NP1, NP2, Principal axes, Az, Az, Phase ID, Time, Res, ISC. Includes stations like Mbarara, Kibwezi, Arta Tunnel, etc.

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Table with columns: CHUM, Lake Minchumin, 2.87 339, Pn, 18 26 40.6 +0.3, J17K, comp=N,22nm,1.7s, IAML, 18 28 37.5

Table with columns: J17K, VABM Dome, 4.77 301, P, Pn, 18 27 07.0 +0.7, H20K, Anenegea Mo, 4.81 335, P, Pn, 18 27 07.0 +0.1

Table with columns: <2517/32, mb3.4/4, Banda Sea, Code, Station Name, Az, Phase ID, Time Res, h m s, ISC

DJA 05 18:27:13.1±0.4, 7°S, 3°13'0E, h195km, 10km, M4, 4/15, mB4.9/6, mB4.4/13, MLV4.5/15, Mw(MB)4.2/6

DJA 05 18:37:27.5±0.6, 0.53N, 122.33E, h114km, n47, e1925/50, mb4.2/13, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC Op, h m s, Res. Includes stations like LUWI, TOLIZ, KMSI, etc.

ISC 05 18:47:06.0±0.3, 51.38N; 178.23W, h0km, mb5.4/38, mbtmp5.4/39, ML5.5/1, MSS.7/67, Error ellipse: s-maj=11.3km s-min=8.8km az=149.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC Op, h m s, Res. Includes stations like GSKC, GSMY, ATKA, etc.

ISC 05 18:47:11.4±0.5, 51.37N; 178.25W, h26km, AEIC 05 18:47:11.8±2.6, 51.18N; 178.15W, 0.06, h23km, 3km, Error ellipse: s-maj=9.0km s-min=5.8km az=181.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC Op, h m s, Res. Includes stations like PET, K15K, Q16K, etc.

ISC 05 18:47:11.4±0.5, 51.37N; 178.25W, h40km, ISC-PP 05 18:47:11.51±34N; 178.12W, h27km, Mwppsm6.3, Moment Tensor Solution. s62 Moment tensor: Scale 1018Nm; Mr=0.71±.10; M0=0.67±.14; M00=0.00±.14

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC Op, h m s, Res. Includes stations like TASE, GALAA, GAEA, etc.

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M18K	baz=240,SNR=104	S	S	18 50 55.0	-3.4
L18K	baz=240			18 50 54.3	-0.7
L18K	Granite Mounta	16.07 38	P	18 57 41.8	
L18K	comp=Z,44868um,16.0s	AMS_VX			
L18K	Granite Mounta	16.07 38	P	18 50 56.1	+1.1
L18K	baz=236	S	S	18 54 00.9	-3.8
L18K	baz=236	S	S	18 54 00.9	-3.8
F15K	North Star Dit	16.11 21	P	18 50 58.1	-0.4
F15K	baz=212	S	S	18 54 04.8	-0.6
O19K	Port Aisworth	16.11 47	P	18 50 53.9	-1.7
O19K	comp=Z,28610um,18.0s	AMS_VX			
O19K	Port Aisworth	16.11 47	P	18 50 57.0	+1.4
O19K	baz=246	S	S	18 53 56.5	+3.5
O19K	baz=246	S	S	18 53 56.5	+3.5
SKR	Severo-Kuril's	16.14 278	eP	18 50 54.1	-1.9
SKR	comp=Z,77nm,0.7s	pmax		18 53 52.0	-1.8
SKR	comp=Z,4um,8.3s	pmax			
SKR	comp=N,391nm,0.9s	smax			
SKR	comp=E,171nm,0.8s	MLR			
SKR	comp=Z,10um,1.5.0s	MLR			
KDAK	Kodiak Island	16.22 56	Pn	18 50 53.6	-3.3
KDAK	comp=Z,443nm,0.6s	IAMB			
KDAK	Kodiak Island	16.22 56	Pn	18 50 53.7	-3.2
KDAK	comp=Z,19nm,0.3s, baz=69,slow=2.9,SNR=93				
KDAK	comp=Z,19nm,0.3s, baz=223,slow=19,SNR=5.6	S		18 53 55.1	-0.5
KDAK	comp=Z,4.8nm,0.5s, baz=338,slow=0.8,SNR=67	ScP		18 59 24.7	+3.1
KDAK	comp=Z,193nm,0.5s	ScP			
KDAK	Kodiak Island	16.22 56	P	18 50 55.2	-1.8
KDAK	baz=257	S	S	18 54 12.0	+4.3
KDAK	baz=257	S	S	18 50 53.3	-3.6
KDAK	Kodiak Island	16.22 56	P	18 50 53.1	-3.8
N19K	Bonanza Creek	16.29 45	P	18 50 57.7	-0.3
N19K	Bonanza Creek	16.29 45	P	18 50 59.8	-0.9
N19K	baz=244,SNR=190	S	S	18 54 06.6	-2.8
N19K	baz=244	S	S	18 54 06.6	-2.8
G16K	Koyuk River	16.39 24	P	18 51 01.6	-0.1
G16K	baz=217,SNR=214	S	S	18 54 11.9	+0.6
P19K	Oil Pt	16.42 49	P	18 50 58.7	-0.9
P19K	comp=Z,26023um,20.0s	AMS_VX		18 57 10.9	
P19K	Oil Pt	16.42 49	P	18 50 59.5	-0.1
P19K	baz=250,SNR=16	S	S	18 54 10.4	-1.6
Q20K	Shuyak Island	16.52 53	P	18 51 00.3	-0.5
Q20K	baz=254,SNR=21	S	S	18 54 13.7	-0.1
Q20K	baz=254	S	S	18 51 01.3	-0.4
ILSW	Iliamna Southw	16.58 48	P	18 51 06.5	+1.2
H17K	Granite Mounta	16.72 28	P	18 54 17.4	-0.5
H17K	baz=223	S	S	18 54 17.4	-0.5
J18K	Innoko River	16.78 35	Pn	18 51 04.0	0.0
J18K	comp=Z,38407um,17.0s	AMS_VX		18 57 51.5	
J18K	Innoko River	16.78 35	P	18 51 05.8	-0.1
J18K	baz=233,SNR=210	S	S	18 54 17.0	-2.1
L19K	White Mountain	16.78 40	P	18 51 03.9	-0.1
L19K	comp=Z,32342um,20.0s	AMS_VX		18 57 21.6	
L19K	White Mountain	16.78 40	P	18 51 06.1	+0.1
L19K	baz=240,SNR=276	S	S	18 54 15.9	-3.3
L19K	baz=240	S	S	18 54 15.9	-3.3
O20K	Slope Mountain	16.86 48	P	18 51 05.4	+0.3
O20K	baz=249,SNR=63	S	S	18 54 19.2	-1.7
O20K	baz=249	S	S	18 54 19.2	-1.7
G17K	Kiwalik Mounta	16.93 26	P	18 51 06.9	-0.7
G17K	baz=220,SNR=118	S	S	18 54 23.3	+1.1
HOM	Homer	17.19 50	AMS_VX	18 57 50.2	
HOM	comp=Z,25111um,19.0s	AMS_VX			
HOM	Homer	17.19 50	P	18 51 06.8	-2.4
HOM	baz=252,SNR=7.7	S	S	18 54 27.3	-0.2
L20K	Farewell, AK	17.32 40	P	18 51 12.6	+0.6
L20K	baz=240,SNR=150	S	S	18 54 25.3	+3.0
L20K	baz=240	S	S	18 54 25.3	+3.0
H18K	Honhosa River	17.33 29	P	18 51 14.2	+2.1
H18K	baz=226	S	S	18 54 33.0	+2.6
CNPM	China Poot	17.35 51	AMS_VX	18 58 00.7	
M20K	Styx River	17.35 42	P	18 51 11.7	+0.4
M20K	comp=Z,31560um,18.0s	IAMB		18 51 18.3	
M20K	comp=Z,713nm,1.2s	AMS_VX		18 57 30.5	
M20K	Styx River	17.35 42	P	18 51 13.1	+0.7
M20K	baz=243	S	S	18 54 25.8	+2.6
M20K	baz=243	S	S	18 54 25.8	+2.6
SPCR	Spurr Chakacha	17.46 45	P	18 51 15.0	+1.4
SPCR	baz=247,SNR=156	S	S	18 54 29.9	-3.4
J19K	Poorman	17.48 34	AMS_VX	18 58 05.3	
J19K	comp=Z,30589um,18.0s	AMS_VX			
J19K	Poorman	17.48 34	P	18 51 14.3	+0.6
J19K	baz=233,SNR=165	S	S	18 54 33.1	-0.4
J19K	baz=233	S	S	18 54 33.1	-0.4
F17K	Baldwin Pennin	17.51 23	P	18 51 15.6	+1.7
F17K	baz=217,SNR=103	S	S	18 54 33.7	-0.1
GCSA	Galena City Sc	17.53 31	P	18 51 15.5	+1.4
GCSA	baz=229,SNR=140	S	S	18 54 31.5	-2.7
SPU	Mount Spurr	17.53 45	P	18 51 13.2	-0.2
BRLK	Bradley Lake	17.59 50	AMS_VX	18 58 02.9	
BRSE	Bradley Lake S	17.65 50	P	18 51 12.3	-2.6
BRSE	baz=253	S	S	18 54 36.3	-0.6
K20K	Telida	17.70 37	AMS_VX	18 58 18.2	
K20K	comp=Z,32267um,18.0s	AMS_VX			
K20K	Telida	17.70 37	P	18 51 16.8	+0.6
K20K	baz=238,SNR=148	S	S	18 54 35.8	-2.0

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K20K	baz=238	S	S	18 54 35.8	-2.0
STLK	Strandline Lak	17.75 44	P	18 51 16.0	-0.2
G18K	Tagagawik	17.78 27	AMS_VX	18 58 26.5	
G18K	comp=Z,35693um,18.0s	AMS_VX			
G18K	Tagagawik	17.78 27	P	18 51 18.8	+1.8
G18K	baz=223,SNR=166	S	S	18 54 43.1	+3.7
CAPN	Captain Cook N	17.78 47	AMS_VX	19 00 18.7	
CAPN	comp=Z,31247um,16.0s	AMS_VX			
CAPN	Captain Cook N	17.78 47	P	18 51 17.5	+0.5
CAPN	baz=249	S	S	18 54 40.5	+1.0
E17K	Hotham Inlet	17.89 21	P	18 51 19.8	+1.7
E17K	baz=215,SNR=232	S	S	18 54 43.6	+2.1
F18K	Selawik	18.03 24	P	18 51 21.7	+2.0
F18K	baz=220,SNR=226	S	S	18 54 47.5	+3.0
SKT	Skwentna	18.08 43	AMS_VX	18 58 29.8	
SKT	comp=Z,32834um,19.0s	AMS_VX			
SKT	Skwentna	18.08 43	P	18 51 21.1	+0.8
SKT	baz=245,SNR=167	S	S	18 54 45.9	+0.4
J20K	Nowinta River	18.12 35	AMS_VX	18 58 43.0	
J20K	comp=Z,33844um,17.0s	AMS_VX			
J20K	Nowinta River	18.12 35	P	18 51 21.8	+1.1
J20K	baz=235,SNR=151	S	S	18 54 44.2	-2.1
J20K	baz=235	S	S	18 54 44.2	-2.1
SLKM	Skliak Lake	18.13 48	AMS_VX	19 00 10.4	
D17K	Noatak River	18.13 19	P	18 51 22.8	+1.9
D17K	baz=212,SNR=224	S	S	18 54 48.6	+2.1
H19K	Roundabout Mou	18.18 30	P	18 51 21.2	-0.1
H19K	comp=Z,33070um,19.0s	AMS_VX		18 58 17.3	
H19K	Roundabout Mou	18.18 30	P	18 51 22.4	+1.1
H19K	baz=228	S	S	18 54 48.1	+0.7
PPLA	Purkeypile	18.21 40	P	18 51 23.1	+1.3
PPLA	comp=Z,18217um,23.0s	S	S	18 54 46.1	-2.2
PPLA	baz=242	S	S	18 51 23.6	+1.8
C16K	Lisburne Hills	18.22 15	P	18 54 48.9	+0.7
C16K	baz=206,SNR=160	S	S	18 54 48.9	+0.7
FIS	Fire Island	18.34 46	AMS_VX	19 00 36.2	
FIS	comp=Z,27359um,18.0s	AMS_VX			
O22K	Cooper Landing	18.36 49	AMS_VX	19 00 31.6	
O22K	comp=Z,23608um,20.0s	AMS_VX			
O22K	Cooper Landing	18.36 49	P	18 51 21.8	-1.5
O22K	baz=252,SNR=52	S	S	18 54 50.2	-0.8
I20K	Naaghedenel	18.36 33	AMS_VX	18 58 39.7	
I20K	comp=Z,29899um,18.0s	AMS_VX			
I20K	Naaghedenel	18.36 33	P	18 51 23.8	+0.2
I20K	baz=233	S	S	18 54 52.4	+1.3
SEW	Seward	18.38 50	P	18 51 19.9	-3.6
SEW	baz=254,SNR=73	S	S	18 54 55.1	+3.7
G19K	Purcell Mounta	18.41 28	IAMB	18 51 30.8	
G19K	comp=Z,1um,1.8s	IAMB			
G19K	Purcell Mounta	18.41 28	P	18 51 24.9	+0.8
G19K	baz=226,SNR=181	S	S	18 54 52.8	+0.8
E18K	Tukpahleiric C	18.42 22	P	18 51 26.1	+1.6
E18K	baz=226,SNR=129	S	S	18 54 55.7	+3.0
RDOG	Red Dog Mine	18.47 18	P	18 51 26.5	+1.6
RDOG	baz=211,SNR=78	S	S	18 54 54.0	+0.7
BILL	Bilbino	18.49 342	P	18 51 24.3	-0.5
BILL	comp=Z,27359um,18.0s	IAMB		18 51 25.4	+0.3
BILL	Bilbino	18.49 342	P	18 51 25.4	+0.3
BILL	comp=Z,589nm,1.7s	pmax			
CAST	Castle Rocks	18.50 39	AMS_VX	18 59 39.5	
CAST	comp=Z,36954um,15.0s	AMS_VX			
CAST	Castle Rocks	18.50 39	P	18 51 27.5	+2.3
CAST	baz=241,SNR=258	S	S	18 54 53.6	-0.4
RC01	Rabbit Creek A	18.54 47	AMS_VX	19 00 39.8	
RC01	comp=Z,21823um,17.0s	AMS_VX			
RC01	Rabbit Creek A	18.54 47	P	18 51 23.7	-1.7
RC01	baz=250,SNR=48	S	S	18 54 55.0	+0.1
M22K	Willow	18.60 45	P	18 51 25.4	-0.7
M22K	comp=Z,671nm,1.0s	IAMB		18 51 32.4	
M22K	Willow	18.60 45	P	18 51 25.6	-0.4
M22K	comp=Z,19227um,22.0s	AMS_VX			
M22K	Willow	18.60 45	P	18 51 25.6	-0.4
M22K	baz=248,SNR=54	S	S	18 54 57.5	+1.6
CHUM	Lake Minchumin	18.64 37	P	18 51 27.3	+0.3
CHUM	baz=248	S	S	18 54 55.8	-1.0
H20K	Anotleneega Mo	18.66 31	P	18 51 27.6	+0.4
H20K	baz=239,SNR=234	S	S	18 54 57.7	+0.7
F19K	Shalercukik Mo	18.70 26	P	18 51 25.5	-1.6
F19K	comp=Z,33272um,18.0s	AMS_VX		18 58 57.9	
F19K	Shalercukik Mo	18.70 26	P	18 51 27.9	+0.2
F19K	baz=223	S	S	18 54 59.5	+1.5
C17K	DeLong Mountai	18.78 17	P	18 51 29.7	+1.0
C17K	baz=210	S	S	18 55 03.4	+3.9
CUT	Chulitna	18.79 43	AMS_VX	18 58 56.7	
CUT	comp=Z,32325um,19.0s	AMS_VX			
CUT	Chulitna	18.79 43	P	18 51 27.7	-0.4
CUT	baz=246,SNR=82	S	S	18 55 04.2	+4.5
PMR	Palmer	18.99 46	P	18 51 28.4	-1.8
PMR	Palmer	18.99 46	P	18 51 28.3	-1.9
PMR	baz=250,SNR=23	S	S	18 55 06.4	+2.7
PMR	baz=250	S	S	18 51 29.5	-0.7
PMR	Palmer	18.99 46	P	18 51 28.5	-1.8
PMR	Palmer	18.99 46	P	18 51 28.5	-1.8
PMR	comp=Z,69nm,0.7s	pmax			
KTH	Kantishna Hill	19.02 39	AMS_VX	19 00 08.0	
KTH	comp=Z,2344um,15.0s	AMS_VX			
PWL	Port Wells	19.12 48	AMS_VX	19 01 28.9	
PWL	comp=Z,25110um,20.0s	AMS_VX			
PWL	Port Wells	19.12 48	P	18 51 30.3	-1.5
PWL	baz=253,SNR=44	S	S	18 55 07.3	+0.8
GHO	Glory Hole Cre	19.14 45	AMS_VX	19 00 02.4	
TRF	Theofore Moun	19.23 40	P	18 51 32.8	-0.2
TRF	baz=243,SNR=228	S	S	18 55 10.2	+1.3
TRF	baz=243	S	S	18 51 31.2	-1.7
KNK	Knik Glacier	19.23 46	P	18 51 31.2	-1.7
KNK	baz=251,SNR=148	S	S	18 55 11.1	+2.3
KNK	baz=251	S	S	18 55 11.1	+2.3
BPAW	Bear Paw Mtn.	19.26 38	AMS_VX	18 59 42.5	

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KLU	Klutina	20.42	47	P	P	18 51 45.3	-0.7
KLU	baz=254,SNR=80			S	S	18 55 33.9	+1.2
M24K	Tolsona, Glenn	20.48	46	P	P	18 51 45.0	-1.6
M24K	comp=Z,417nm,0.7s			IAMB	IAMB	18 51 54.2	
M24K	comp=Z,19786µm,24.0s			AMS_VX		18 59 25.4	
M24K	Tolsona, Glenn	20.48	46	P	P	18 51 44.5	-2.1
M24K	baz=252,SNR=84.0s			IAMS_20	IAMS_20	18 55 39.7	+1.2
WRH	Wood River Hill	20.55	38	IAMS_20	IAMS_20	19 00 39.1	
G22K	Bettles	20.61	30	P	P	18 51 47.7	-0.2
G22K	baz=233			S	S	18 55 38.8	+2.5
CCB	Clear Creek Bu	20.74	38	AMS_VX		19 00 21.6	
CCB	comp=Z,21519µm,17.0s			IAMS_20	IAMS_20	19 00 45.0	
RAGM	Ragged Mountai	20.76	51	IAMS_20	IAMS_20	19 00 43.1	
F22K	John River	20.77	28	P	P	18 51 50.7	+1.0
F22K	baz=231			S	Sn	18 55 43.0	-2.3
KAIM	Kayak Island	20.80	52	AMS_VX		19 00 58.6	
KAIM	comp=Z,34604µm,17.0s			IAMS_20	IAMS_20	19 01 11.2	
KAIM	Kayak Island	20.80	52	P	P	18 51 49.1	-0.9
KAIM	baz=260,SNR=11			S	Sn	18 55 44.7	-1.4
COLA	College	20.82	37	P	P	18 51 49.6	-0.5
COLA	comp=Z,316nm,0.7s			IAMB	IAMB	18 51 57.8	
COLA	College	20.82	37	P	P	19 00 29.1	
COLA	comp=Z,27µm,18.0s			AMS_VX		19 01 08.6	
COLA	College	20.82	37	P	P	18 51 49.2	-1.0
COLA	comp=Z,32583µm,15.0s			S	S	18 55 41.8	+1.5
COLA	baz=243			P	P	18 51 50.3	+0.2
COLA	College	20.82	37	P	P	18 51 49.2	-1.0
COLA	comp=Z,339nm,0.9s			P	P	18 51 49.5	-0.6
COLA	College	20.82	37	P	P	18 52 02.4	
E21K	Killik River	20.88	25	IAMB	IAMB	18 59 56.8	
E21K	comp=Z,248nm,0.9s			IAMS_20	IAMS_20	19 01 05.2	
E21K	comp=Z,35µm,20.0s			AMS_VX		18 51 51.3	+0.5
E21K	Killik River	20.88	25	P	P	18 55 43.5	+2.0
E21K	baz=226			S	S	18 55 45.8	-3.1
BMRM	Bremner River	20.91	49	P	P	18 51 49.5	-1.7
BMRM	baz=257,SNR=65			S	Sn	18 55 45.8	-3.1
G23K	Bananza Creek	20.97	32	P	P	18 51 52.2	+0.3
G23K	comp=Z,480nm,1.2s			IAMB	IAMB	18 52 02.8	
G23K	comp=Z,37µm,20.0s			IAMS_20	IAMS_20	18 59 58.5	
G23K	Bananza Creek	20.97	32	P	P	18 51 52.9	+1.1
G23K	baz=236,SNR=351			S	S	18 55 45.3	+1.9
HDA	Harding Lake	20.97	39	IAMS_20	IAMS_20	19 00 29.3	
HDA	comp=Z,30µm,18.0s			AMS_VX		19 01 06.2	
HDA	Harding Lake	20.97	39	P	P	18 51 48.8	-3.0
HDA	comp=Z,30439µm,15.0s			S	S	18 55 42.9	-0.5
HARP	HAARP	21.02	45	P	P	18 51 51.8	-0.6
HARP	baz=253,SNR=59			S	Sn	18 55 48.2	-3.3
PAX	Paxson	21.06	43	P	P	18 51 51.9	-0.9
PAX	baz=251,SNR=80			S	S	18 55 47.9	+2.6
N25K	Chitina, Valde	21.06	47	P	P	18 51 51.5	-1.4
N25K	comp=Z,262nm,0.7s			IAMB	IAMB	18 52 01.5	
N25K	Chitina, Valde	21.06	47	P	P	18 51 50.7	-2.3
N25K	baz=256,SNR=114			S	Sn	18 55 49.4	-3.2
POKR	Poker Plat Res	21.09	37	IAMS_20	IAMS_20	19 00 38.1	
POKR	comp=Z,29µm,18.0s			AMS_VX		19 01 18.4	
POKR	Poker Plat Res	21.09	37	P	P	18 51 51.9	-1.1
POKR	baz=243,SNR=34			S	S	18 55 44.7	-1.0
POKR	baz=243			S	S	18 55 44.7	-1.0
IL31	Eielson Array	21.15	38	P	P	18 51 51.5	-2.2
ILAR	ILAR	21.15	38	P	P	18 51 52.0	-1.8
ILAR	comp=Z,41nm,0.7s, baz=243,slow=9.7,SNR=100			S	S	18 55 46.7	-0.1
ILAR	comp=Z,8.5nm,0.9s, baz=243,slow=17.7,SNR=3.7			ScP	ScP	18 59 31.2	-1.1
ILAR	comp=Z,11nm,0.7s, baz=282,slow=3.6,SNR=7.6			LR	LR	19 00 43.9	
C21K	Knifblade Rid	21.17	23	P	P	18 51 54.0	+0.1
C21K	baz=224			S	S	18 55 47.3	0.0
COLD	Coldfoot	21.21	30	P	P	18 51 55.2	+0.9
COLD	baz=235,SNR=180			S	S	18 55 49.8	+1.8
K24K	Donnelly Dome	21.21	41	P	P	18 51 53.2	-1.3
K24K	baz=249			S	S	18 55 51.5	+3.2
K24K	Berg Lake	21.23	51	IAMS_20	IAMS_20	19 01 17.7	
BERG	comp=Z,29µm,19.0s			AMS_VX		19 02 49.6	
H24K	Noodor Dome	21.26	35	IAMS_20	IAMS_20	19 00 36.3	
H24K	comp=Z,39µm,19.0s			P	P	18 51 54.8	-0.2
H24K	Noodor Dome	21.26	35	P	P	18 55 51.1	+2.0
H24K	baz=241			S	S	18 55 51.1	+2.0
B20K	Meade River	21.27	20	IAMB	IAMB	18 52 06.6	
B20K	comp=Z,432nm,1.1s			IAMS_20	IAMS_20	19 00 34.0	
B20K	Meade River	21.27	20	P	P	18 51 54.7	-0.2
B20K	baz=218			S	S	18 55 50.9	+1.8
GLB	Gilahina Butte	21.39	48	AMS_VX		19 00 52.9	
VRDI	Verde Repeater	21.51	49	IAMS_20	IAMS_20	19 00 51.0	
D22K	Aiykyak River	21.52	25	IAMB	IAMB	18 52 03.7	
D22K	comp=Z,294nm,0.8s			IAMS_20	IAMS_20	19 00 37.8	
D22K	Aiykyak River	21.52	25	P	P	18 51 58.2	+0.5
D22K	baz=228			S	S	18 55 54.4	+0.1
B21K	Ikpikpuk River	21.55	22	IAMB	IAMB	18 52 10.3	
B21K	comp=Z,519nm,1.1s			IAMS_20	IAMS_20	19 00 41.5	

B21K	Ikpikpuk River	21.55	22	P	P	18 51 57.9	0.0
B21K	comp=Z,40µm,20.0s			S	S	18 55 57.9	+3.2
RIDG	Independent Ri	21.58	42	IAMS_20	IAMS_20	19 00 39.4	
RIDG	Independent Ri	21.58	42	P	P	18 51 57.3	-1.1
RIDG	baz=250,SNR=17			S	Sn	18 56 02.6	-2.2
SNH	Sunshine Point	21.62	52	IAMS_20	IAMS_20	19 01 39.0	
SNH	comp=Z,39µm,18.0s			AMS_VX		19 01 42.4	
J25K	Salcha River,	21.68	39	IAMS_20	IAMS_20	19 00 59.9	
J25K	comp=Z,30µm,19.0s			AMS_VX		19 01 31.6	
J25K	Salcha River,	21.68	39	P	P	18 51 57.4	-2.1
J25K	baz=247			S	S	18 55 57.7	+0.2
J25K	baz=247			S	S	18 55 57.7	+0.2
MENT	Mentasta	21.81	44	P	P	18 51 59.4	-1.5
MENT	comp=Z,28µm,20.0s			IAMS_20	IAMS_20	19 01 10.9	
G24K	Hadweencic Riv	21.83	33	IAMB	IAMB	18 52 12.8	
G24K	comp=Z,290nm,0.8s			IAMS_20	IAMS_20	19 00 15.1	
G24K	comp=Z,31µm,21.0s			AMS_VX		19 00 32.6	
G24K	Hadweencic Riv	21.83	33	P	P	18 52 01.3	+0.3
G24K	baz=240			S	S	18 56 01.8	+1.6
E23K	Chandalar	21.88	29	IAMB	IAMB	18 52 19.1	
E23K	comp=Z,527nm,1.4s			IAMS_20	IAMS_20	19 00 28.6	
E23K	Chandalar	21.88	29	P	P	18 52 01.8	+0.2
E23K	comp=Z,42µm,21.0s			S	S	18 56 01.5	+0.3
PRP	Porcupine Dome	21.98	37	IAMS_20	IAMS_20	19 01 23.8	
PRP	comp=Z,29µm,18.0s			AMS_VX		19 01 55.3	
PRP	Porcupine Dome	21.98	37	P	P	18 51 59.8	-3.0
PRP	baz=245,SNR=75			S	S	18 56 03.6	+0.1
M26K	Nabesna, AK	21.99	46	IAMS_20	IAMS_20	19 00 38.5	
M26K	comp=Z,29µm,20.0s			P	P	18 56 05.2	-2.4
M26K	Nabesna, AK	21.99	46	P	P	18 56 04.5	+1.1
M26K	baz=256			S	S	18 56 04.5	+1.1
M26K	baz=256			S	S	18 56 04.5	+1.1
L26K	Log Cabin Wild	22.00	44	IAMS_20	IAMS_20	19 01 17.7	
L26K	comp=Z,29µm,20.0s			AMS_VX		19 03 07.7	
L26K	Log Cabin Wild	22.00	44	P	P	18 52 02.5	-0.4
L26K	baz=254,SNR=145			S	S	18 56 03.9	+0.3
L26K	baz=254			S	S	18 56 03.9	+0.3
SCRK	Sand Creek	22.02	41	IAMS_20	IAMS_20	19 01 02.9	
SCRK	comp=Z,45µm,19.0s			P	P	18 52 00.9	-2.3
SCRK	Sand Creek	22.02	41	P	P	18 56 03.3	-0.7
SCRK	baz=251,SNR=191			S	S	18 56 03.3	-0.7
MESA	MESA	22.06	52	AMS_VX		19 02 46.6	
MESA	comp=Z,16886µm,20.0s			P	P	18 52 02.2	-1.6
MESA	MESA	22.06	52	P	P	18 56 03.5	-1.6
MESA	baz=262			S	S	18 56 03.5	-1.6
F24K	Squaw Lake	22.12	31	IAMB	IAMB	18 52 13.1	
F24K	comp=Z,247nm,0.8s			IAMS_20	IAMS_20	19 00 44.7	
F24K	comp=Z,32µm,20.0s			AMS_VX		19 00 48.6	
F24K	Squaw Lake	22.12	31	P	P	18 52 04.5	+0.3
F24K	baz=237,SNR=229			S	S	18 56 07.4	+1.7
D23K	Nanushuk River	22.13	26	IAMB	IAMB	18 52 10.4	
D23K	comp=Z,1µm,1.6s			IAMS_20	IAMS_20	19 00 48.0	
D23K	Nanushuk River	22.13	26	P	P	18 52 04.0	-0.2
D23K	comp=Z,36µm,20.0s			S	S	18 56 06.8	+1.0
D23K	Nanushuk River	22.13	26	P	P	18 52 04.9	-0.5
D23K	comp=Z,40µm,20.0s			S	S	18 56 11.3	+3.4
E24K	Your Creek	22.23	30	IAMS_20	IAMS_20	19 00 39.7	
E24K	comp=Z,30µm,20.0s			P	P	18 52 04.9	-0.5
E24K	Your Creek	22.23	30	P	P	18 52 04.9	-0.5
E24K	baz=235			S	S	18 56 11.3	+3.4
TOLK	Toolik Lake Re	22.24	28	P	P	18 52 04.5	-1.0
TOLK	comp=Z,678nm,1.4s			IAMB	IAMB	18 52 10.1	
TOLK	comp=Z,45µm,20.0s			IAMS_20	IAMS_20	19 00 40.8	
TOLK	Toolik Lake Re	22.24	28	P	P	18 52 05.3	-0.1
TOLK	baz=233,SNR=291			S	S	18 56 08.0	0.0
TOLK	baz=233			S	S	18 56 08.0	0.0
G25K	Bearman Lake	22.34	34	P	P	18 52 05.9	-0.5
G25K	baz=242			S	S	18 56 12.5	+2.8
B22K	Teshhepuk Lake	22.36	22	IAMB	IAMB	18 52 19.4	
B22K	comp=Z,316nm,1.1s			IAMS_20	IAMS_20	19 01 28.0	
B22K	Teshhepuk Lake	22.36	22	P	P	18 52 05.8	-0.9
B22K	baz=224			S	S	18 56 11.1	+1.1
J26L	Joseph Creek	22.37	40	IAMS_20	IAMS_20	19 01 14.5	
J26L	comp=Z,46µm,19.0s			P	P	18 52 05.1	-1.8
J26L	Joseph Creek	22.37	40	P	P	18 56 08.4	-2.1
J26L	baz=250,SNR=141			S	S	18 56 08.4	-2.1
A21K	Barrow	22.42	18	P	P	18 52 06.8	-0.4
A21K	comp=Z,217,SNR=78			S	S	18 56 12.3	+1.3
A21K	baz=217			S	S	18 56 12.3	+1.3
M27K	Edge Creek, AK	22.49	46	IAMS_20	IAMS_20	19 01 43.8	
M27K	Edge Creek, AK	22.49	46	P	P	18 52 06.8	-1.4
M27K	baz=257			S	S	18 56 13.8	+1.0
M27K	baz=257			S	S	18 56 13.8	+1.0
A22K	Sinclair Lake	22.50	20	P	P	18 52 07.7	-0.4
A22K	baz=220			S	S	18 56 12.0	-0.6

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Table with columns: Station, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Spread, Elevation Spread, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Peak, Elevation Peak, Azimuth Valley, Elevation Valley, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

AAA	Alma-Ata	65.63	309	eP	P	18 57 51.7	-0.7
TBLU	Tian-Shan	65.67	356	eP	P	18 57 51.0	-1.2
N56A	Sunbury	65.72	55	IAMS_20	IAMS_20	19 06 32.8	-2.5
N58A	Tian-Shan	65.74	309	eP	P	18 57 52.4	+1.3
TNSS	Lakeview Retre	65.77	67	IAMS_20	IAMS_20	19 31 16.6	
LRAL	Hanover	65.80	50	Iamb	Iamb	18 57 55.0	
HNH	Troy	65.85	51	AMS_VX		19 28 16.5	
TRY	Calhoun	65.89	64	IAMS_20	IAMS_20	19 27 21.6	
X51A	Chester	65.94	50	AMS_VX		19 28 16.8	
J61A	Wushi	65.97	306	Iamb	Iamb	18 58 28.6	
WUS	Wushi	65.97	306	AMS_VX		19 25 17.4	
WUS	Wushi	65.97	306	PcP	PcP	18 57 54.9	+0.1
WUS	Wushi	65.97	306	PcP	PcP	18 58 25.6	+0.3
F64A	Sherman	66.00	46	IAMS_20	IAMS_20	19 27 31.4	
FINES	FINES Array B	66.01	347	P	P	18 57 52.9	-1.6
FINES	FINES	66.01	347	PcP	PcP	18 58 24.6	-0.3
FINES	FINES	66.01	347	P	P	19 26 26.3	-10
FINES	FINES	66.01	347	LR	LR	19 31 17.5	
FINES	FINES	66.01	347	P4Kpbc	P4Kpbc	19 34 44.5	
PKME	Peaks-Kenny Pk	66.03	47	AMS_VX		19 26 04.1	
PKME	Peaks-Kenny Pk	66.03	47	IAMS_20	IAMS_20	19 29 31.0	
W52A	Murphy	66.03	63	AMS_VX		19 28 47.4	
W52A	Murphy	66.03	63	IAMS_20	IAMS_20	19 29 57.3	
WAM1	Wamena	66.03	228	P	P	18 57 55.6	+0.4
P57A	Homestead Farm	66.05	56	AMS_VX		19 28 17.3	
TABU	Tabubil	66.11	225	P	P	18 57 57.0	+1.2
SLVN	Son La	66.13	275	Iamb	Iamb	18 58 17.5	
SLVN	Son La	66.13	275	P	P	18 57 56.6	+0.6
U54A	Nelsons Funny	66.17	61	IAMS_20	IAMS_20	19 29 25.7	
U54A	Nelsons Funny	66.17	61	AMS_VX		19 39 14.0	
V53A	Saluda	66.24	62	AMS_VX		19 30 10.1	
I63A	Otisfield	66.35	49	AMS_VX		19 27 40.2	
BLA	Blacksburg	66.43	60	P	P	18 57 56.6	-1.0
BLA	Blacksburg	66.43	60	IAMS_20	IAMS_20	19 26 47.5	
BLA	Blacksburg	66.43	60	Pmax	Pmax	18 57 56.6	-1.0
BLA	Blacksburg	66.43	60	MLR	MLR	18 57 57.0	-0.2
BLA	Blacksburg	66.43	60	MLR	MLR	18 57 55.9	-1.4
MOL	Molde	66.46	357	eP	eP	19 06 50.4	+5.5
MOL	Molde	66.46	357	IVMs_BB	IVMs_BB	19 23 38.8	
MOL	Molde	66.46	357	eS	eS	19 06 50.4	+5.5
MOL	Molde	66.46	357	IVMs_BB	IVMs_BB	19 23 38.8	
TKM2	Tokmak 2	66.48	310	P	P	18 57 57.7	-0.5
TKM2	Tokmak 2	66.48	310	P	P	18 57 55.5	-2.6
MVL	Millersville	66.53	55	Iamb	Iamb	18 58 00.2	
L61B	Norhtampton	66.55	51	AMS_VX		19 28 34.8	
L61B	Norhtampton	66.55	51	P	P	18 57 57.7	-0.6
SGDS	Sogindj	66.55	311	eP	eP	18 57 57.6	-0.7
SGDS	Sogindj	66.55	311	eP	eP	18 57 57.7	-0.7
K62A	Royalston	66.60	51	AMS_VX		19 28 38.4	
ODN1	Ogdensburg	66.61	53	Iamb	Iamb	18 58 26.8	
KSC2	Kent School, K	66.69	52	P	P	18 57 58.5	-0.7
LKP	Lekhapani	66.73	285	eP	eP	18 57 59.5	-0.2
LKP	Lekhapani	66.73	285	eS	eS	19 06 54.7	+5.5
LKP	Lekhapani	66.73	285	eS	eS	19 06 54.9	+5.6
LKP	Lekhapani	66.73	285	IAMS_20	IAMS_20	19 16 22.3	
TNCH	TengChong	66.78	281	IP	IP	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	PP	PP	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	+1.9
TNCH	TengChong	66.78	281	Pmax	Pmax	18 58 00.7	+0.5
TNCH	TengChong	66.78	281	Pmax	Pmax	19 00 29.5	+2.3
TNCH	TengChong	66.78	281	S	S	19 06 50.7	+0.5
TNCH	TengChong	66.78	281	SS	SS	19 07 54.4	+0.3
TNCH	TengChong	66.78	281	SS	SS	19 11 09.9	

5d 18h

Table of radio frequencies and call signs for stations in the 5d 18h range. Includes call signs like M5B, MDB, HAU, HAUL, etc., and their respective frequencies and power levels.

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Table of radio frequencies and call signs for stations in the 2019 JAN range. Includes call signs like FUORN, BANR, AVF, KTUT, etc., and their respective frequencies and power levels.

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Table of radio frequencies and call signs for stations in the 264 range. Includes call signs like BRTR, BRTR, BR105, STON, ANTO, etc., and their respective frequencies and power levels.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MVO, ISP, CUC, CMC, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like LIS, MDH, STKA, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like HTT, BHW, WDD, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CSBS, PLTB, LSZ, QSPA, etc.

IDC 05 18:52:52.1-0.6, 14:57N:92:75W, h0km, mb4.6/2m, mbmp4.6/23, ML4.7/1, Error ellipse: s-maj=29.1km, s-min=13.5km az=55.0

GCG 05 18:52:53.9-2.2, 14:27N:93:29W, h16km=18km, MD4.9, Hypocentre not reviewed by the ISC

SNET 05 18:52:55.1-1.0, 14:30N:93:15W, h8km=10km, ML5.1, MEX 05 18:52:57.2-0.9, 14:46N:93:36W, h15km, MD4.7

NEIC 05 18:52:57.1-1.7, 14:41N:03:93:17W, 0.03, h35km=1km, mb5.1/107, Mw4.7/139(MEX), Error ellipse: s-maj=6.3km, s-min=4.8km az=319.0, Moment Tensor Solution. Moment tensor: Scale 10^16Nm, Mr=0.87, Mw=0.86; Mxx=0.01; Myy=0.61; Mzz=0.61; Mxy=0.01; Mxz=0.01; Myz=0.01

RSNC 05 18:52:57.5-2.0, 14:14N:93:31W, 1.5, h37km=11km, M4.6, mb4.9, mb5.2, ML4.7, Mw(m)4.6, Mw(Mwp)5.0, Mw(p)5.3, Hypocentre not reviewed by the ISC

CATAC 05 18:52:58.1, 14:39N:93:19W, h44km, mb5.5/1, mb5.3/1, MLv5.4/9, Mw(m)4.7/1, confirmed

ISC 05 18:52:53.1-1.4, 14:33N:104:93:21W, 0.04, h15km=8km, m343, az=22/415, mb5.0/58, 1D, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like THIG, PCIG, RTAL, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like LUXUV, HUIG, CMIG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like TEIG, UNM, INAM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like 1854 42.5, 1854 45.0, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SN05 Snyder 5, GUY2C Guyana, Caidas, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SDBA SAO DESIDERIO, IPMBI Ipanema, Diamantina, MG, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MBWA Marble Bar, IDC 05, BUJ 05, etc.

5d 19h

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Table with columns: Station Name, Frequency, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like ARCES, FINES, EKA, AK03, AKASG, etc.

Table with columns: Station Name, Frequency, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like O18K, N18K, O18K, etc.

Table with columns: Station Name, Frequency, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like GSMV, ATKA, CHIGN, etc.

NEIC 05 18:58:58.9,2.2,51.26N,0.09,178.21W,0.09, h45km,12km,m4,3.08,ML3.6(AEIC), Error ellipse: s-maj=12.5km s-min=7.8km az=187.0

AEIC 05 18:58:59.0,2.9,51.36N,0.10,178.14W,0.10, h49km,7km, Error ellipse: s-maj=14.0km s-min=8.6km az=178.0

IDC 05 18:59:04.7,3.1,51.37N,1.78,178.23W, h101km,27km, mb3.5/14,mbtmp3.9/16, Error ellipse: s-maj=24.2km s-min=16.6km az=171.0

ISC 05 18:58:56.7,0.7,51.12N,0.08,178.08W,0.04, h34km,n93, r=150/82,mb4.2/23, Andean Islands

IDC 05 19:03:19.6,0.7,51.28N,1.78,178.22W, h0km,mb3.9/24, mbtmp3.9/24, Error ellipse: s-maj=20.6km s-min=15.6km az=154.0

NEIC 05 19:03:25.0,1.3,51.16N,0.08,178.20W,0.08, h42km,6km, mb4.0/22,ML3.6(AEIC), Error ellipse: s-maj=11.0km s-min=7.1km az=185.0

AEIC 05 19:03:26.1,1.9,51.29N,0.08,178.12W,0.07, h48km,5km, Error ellipse: s-maj=11.4km s-min=6.3km az=182.0

ISC 05 19:03:25.7,0.5,51.26N,0.09,178.20W,0.04, h45km,n81, r=080/78,mb2.0/33, Andean Islands

IDC 05 19:03:19.6,0.7,51.28N,1.78,178.22W, h0km,mb3.9/24, mbtmp3.9/24, Error ellipse: s-maj=20.6km s-min=15.6km az=154.0

NEIC 05 19:03:25.0,1.3,51.16N,0.08,178.20W,0.08, h42km,6km, mb4.0/22,ML3.6(AEIC), Error ellipse: s-maj=11.0km s-min=7.1km az=185.0

AEIC 05 19:03:26.1,1.9,51.29N,0.08,178.12W,0.07, h48km,5km, Error ellipse: s-maj=11.4km s-min=6.3km az=182.0

ISC 05 19:03:25.7,0.5,51.26N,0.09,178.20W,0.04, h45km,n81, r=080/78,mb2.0/33, Andean Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like TASE, GALAA, GAEA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like ASAR, ESCD, H03N2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like CMAR, EKA, WRA, etc.

ISK 05 19:08:46.9, 35.60N, 30.90E, h15km, ML2, 8/22
IDC 05 19:08:48.0, 1.8, 35.74N, 31.02E, h0km, mb3.2/1,
mbmp3.2/6, ML3.2/4, MS3.7/2, Error ellipse: s-maj=28.9km
s-min=23.0km az=84.0

AFAD 05 19:08:47.5, 35.68N, 31.01E, h45km, 1km, ML2.7
NIC 05 19:08:47.5, 35.68N, 30.94E, h0km, 2km, ML2.5/9
ISC 05 19:08:47.4, 1.2, 35.67N, 0.03, 30.96E, 0.02, h3km, 10km,
n56, i141/80, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for AKUM, KEMT, MNVG, KSL, GAZI, ANTB, AKMS, AKMS, ELL, KORT, ALFC, ALFC, NATA, NATA, NATA, IZZE, KNIK, KNIK, BUCA, BUCA, BUCA, TROD, TROD, TROD, AHLM, HDMB, BCK, BCK, CAME, SEYD, SEYD, SEDI, SEDI, SEDI, BERE, CSS, CSS, ASGA, ASGA, GULN, GULN, GULN, ISP, DALY, KKBE, KKBE, APMY, MVOU, MVOU, MVOU, ARG, ARG, ARG, KSM, TAVA, TURN, DOGA, DOGA, DOGA, DOGA, KONT, YVAC, YVAC, YVAC, KZIL, LADK, SHUT, UCKU, KDHN, ALIN, KERG, KERG, KERG, NAZL, KIZT, CBEY, GULE, GULE, MMAI, MMAI, BRTR, BRTR, BRTR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for IDI, IDI, EIL, EIL, AKASO, MKAR.

SJA 05 19:11:14.9, 0.6, 23.82S, 66.78W, h236km, 6km, ML3.5,
MW3.7
NEIC 05 19:11:17.5, 0.1, 7.23, 93S, 0.08, 66.9W, 0.1, h226km, 8km,
mb4.0/3, Error ellipse: s-maj=19.8km s-min=10.3km
az=109.0

GUC 05 19:11:17.4, 0.2, 83.89S, 66.83W, h218km, 13km, ML3.7
IDC 05 19:11:23.1, 2.3, 23.45S, 66.68W, h216km, 27km, mb3.3/2,
mbmp3.8/5, Error ellipse: s-maj=30.0km s-min=18.0km
az=115.0

ISC 05 19:11:17.5, 0.7, 23.88S, 0.04, 66.82W, 0.04, h216km, 6km,
n61, i194/79, mb3.5/4, Jujuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for SALTA, SALTA, SLA, SLA, AF01, AF01, AF01, AF01, AZAP, AZAP, YJA, YJA, YJA, FSA, FSA, GO02, GO02, GO02, GO02, PB09, PB09, PB09, PB09, AHML, AHML, PB14, PB14, PB14, PB14, PB04, PB04, PB04, PB04, PB01, PB01, PB01, AC01, AC01, AC01, AC01, TA01, TA01, TA01, CYA, CYA, CYA, AC06, GO01, GO01, GO01, VCA, VCA, VCA, LPAZ, LPAZ, LPAZ, CO03, CO06, MT02, MT09, MT01, VILB, ETMB, PLCA, BDFB, BDFB, BOAV, BOAV, GQSA, VANDA, VANDA, TORD, TORD, ASAR, MKAR.

TEH 05 19:08:7.34, 62N, 46.23E, h8km, 26km
NEIC 05 19:08:8.1, 6.34, 63N, 0.05, 46.25E, 0.07, h10km, 1km,
mb4.2/18, Error ellipse: s-maj=11.3km s-min=6.2km
az=46.0

AFAD 05 19:19:12.3, 34.71N, 45.61E, h7km, 3km, MW4.2
ISC 05 19:19:08.8, 1.2, 34.55N, 0.03, 46.28E, 0.03, h13km, 7km,
n211, i280/423, mb4.1/36, 13C-11D, Western Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for IDHR, IGHG, GLG1, KGS1, ILIN, ILIN, ILBA, SNQR, IKFM, SDSA, IDOB, IKRK, IKRK, IKRK, IKRK, HSAM, BHD, BHD, BDRS, MAHR, HAGO, RAFI, RAFI, HSH, QABG, IRAZ, YOVA, CUKT, CUKT, HAKT, HAKT, ITBZ, ISHB, ISHB, IQOM, IPJR, SIRT, SIRT, SIRT, QAMS, GAS1, GRMI, VRAM, ZVGN, ZVGN, GEVA, GEVA, GEVA, IKLH, IVAN, MZPU, IDMV, MIDY, MIDY, KRSH, SRMT, SRMT, ISFB, ADCV, IPRN, MARD, MARD, MARD, GURO, IGAR, IZEF, IZEF, KBD, KBD, ILAS, MUSM, KLNJ, KLNJ, GNI, GNI, IRAM, IRAM, ANAR, ANAR, KOVA, KAZZ, AHBU, GAZ, JAFAL, ASF, ASF, TKDS, MMAL, MMAL, SAKB, SAKB, KBZ, SHMA, SHMA, GHAI, KVAR, SMRA, SMRA, TRNA, EIL, EIL, EIL, RAYN, RAYN, BRTR, BRTR, BRTR, SLWR, SLWR, SHME, SHME, GHWR, GHWR, BANOM, BANOM, MASF, MASF, MASF, NAZ, NAZ, NAZ, MSFE, ASUD, ASUD, MDH, MDH.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Madha, Minazif, Hatta, Ashiya, Muzera, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FINES, DAVOS, DAVA, SENIN, BNI, WMQ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Cruzeiro do Su, Cruzeiro do Su, Cruzeiro do Su, etc.

RSNC 05 19:25:38.0... h575km,5km, M6.2, mb6.4, h575km,5km, M6.2, mb6.4, Hypocentre not reviewed by the ISC...

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like CART Cartagena, V35K Ketchikan, NUUG Nuugaatsiaq, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like CEST Estერი de Car, R32K Eaglecrest, WPS WPS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like ESY Stonyepath, SCO Scoresbysund, SCO Scoresbysund, etc.

5d 19h

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like UCC, BNI, INK, BMRD, BCL, etc.

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Table with columns for station code, name, frequency, power, and signal strength. Includes stations like N25K, JMIC, JMW, etc.

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Table with columns for station code, name, frequency, power, and signal strength. Includes stations like DAVA, DAV, E27K, etc.

CEYK	Cerknica	93.06	44	P	P	P	19 37 50.7 +0.4
E23K	Chandalar	93.06	338	P	P	P	19 37 50.9 +1.1
E23K				S	S	S	19 48 02.2 -4.2
COLD	Coldfoot	93.08	338	P	P	P	19 37 51.3 +1.4
COLD				S	S	S	19 48 02.3 -4.1
LBTB	Labotse	93.08	116	P	P	P	19 37 51.1 +0.1
LBTB				I Amb	I Amb	I Amb	19 39 59.9
LBTB	Labotse	93.08	116	P	P	P	19 37 51.1 +0.1
LBTB				p max	p max	p max	
H2SK	Hora Svate Kat	93.14	39	eP	P	P	19 37 51.5 +1.0
M20K	Styx River	93.16	332	P	P	P	19 37 50.5 +0.1
M20K				S	S	S	19 48 00.1 -7.3
M20K				S	S	S	19 48 00.1 -7.3
C24K	Franklin Bluff	93.16	340	P	P	P	19 37 51.3 +1.1
C24K				S	S	S	19 48 02.0 -4.9
LJU	Ljubljana	93.17	44	P	P	P	19 37 51.1 +0.4
LJU				iP	P	P	19 39 56.4 -1.5
LJU				eS	S	S	19 40 54.3 -1.8
LJU				i SKSac	S	S	19 47 29.1 -0.2
LJU				eS	S	S	19 48 05.7 -2.4
LJU				eSP	S	S	19 49 24.1 -2.2
LJU				e	S	S	19 50 46.6
LJU				e	S	S	19 53 07.2
LJU				eSS	SS	SS	19 54 48.1 +6.2
LJU				e	S	S	19 57 57.4
LJU				eP'P'df	P'P'df	P'P'df	20 03 05.7 -0.8
LJU				e	S	S	19 37 51.0 +0.6
TOLK				S	S	S	19 48 02.2 -5.3
TOLK				S	S	S	19 48 02.2 -5.3
TOLK				S	S	S	19 48 02.2 -5.3
CHUM	Lake Minchumini	93.19	334	P	P	P	19 37 50.4 0.0
CHUM				S	S	S	19 48 00.9 -6.6
RGN	Oslo	93.21	30	eP	I v m B	BB	19 37 51.7 +1.2
OSL				I v m B	BB	BB	19 37 52.3
OSL				eP	P	P	19 39 55.8 -1.8
OSL				eSKSac	S	S	19 47 05.9 -2.9
OSL				eSP	S	S	19 49 19.3 -6.6
OSL				i	S	S	19 50 45.1
OSL				eSS	SS	SS	19 54 42.2 +0.6
NOR	Nord	93.22	7	iP	I Amb	I Amb	19 37 49.9 -0.4
NOR				I Amb	I Amb	I Amb	19 37 51.4
H22K	Ishlitalina Cre	93.23	336	P	P	P	19 37 51.2 +0.6
H22K				S	S	S	19 48 02.7 -5.1
H22K				S	S	S	19 48 02.7 -5.1
OBKA	Obir	93.26	44	iP	P	P	19 37 51.5 +0.3
OBKA				iP	P	P	19 39 57.9 -0.5
OBKA				iS	P	P	19 40 55.5 -1.1
OBKA				ePP	PP	PP	19 41 45.0 -0.5
OBKA				eSKS	SKSac	SKSac	19 47 32.8 +2.9
OBKA				eS	S	S	19 48 08.0 -1.0
OBKA				iPKKP	PKKPbc	PKKPbc	19 54 58.0 +0.4
OBKA				iP	P	P	20 03 04.4
OBKA				iP	P	P	19 37 51.3 +0.1
OBKA				iP	P	P	19 37 51.4 +0.3
MOA				eP	P	P	19 39 58.2 -0.2
MOA				iS	P	P	19 40 54.8 -1.7
MOA				iPP	PP	PP	19 41 44.3 -1.1
MOA				iSKS	SKSac	SKSac	19 47 31.6 +1.9
MOA				eS	S	S	19 48 06.3 -2.5
MOA				iPKKP	PKKPdf	PKKPdf	19 54 56.0 +0.8
MOA				eP	P	P	20 03 05.4
STRU	Stroemstad	93.27	31	iP	P	P	19 37 51.5 +0.7
TJOU	Tjoern	93.32	32	iP	P	P	19 37 51.7 +0.6
CHIR	Chirikof Island	93.33	326	P	P	P	19 37 51.7 +0.5
CHIR				S	S	S	19 48 03.8 -5.2
COP	Copenhagen	93.36	34	iP	P	P	19 37 52.4 +1.1
ONAU	Onsala	93.37	33	iP	P	P	19 37 51.7 +0.4
O19K	Port Alsworth	93.41	330	P	P	P	19 37 50.8 -0.6
O19K				S	S	S	19 48 00.9 -8.5
O19K				S	S	S	19 48 00.9 -8.5
CKRC	Cesky Krumlov	93.43	41	eP	P	P	19 37 52.0 +0.1
CKRC				eP	P	P	19 40 00.1 +1.0
CKRC				ex	X	X	19 49 19.1
CKRC				ePKKP	PKKPbc	PKKPbc	19 54 56.6 -0.5
CKRC				e	P	P	19 37 52.0 +0.1
CKRC				ePP	PP	PP	19 40 00.1 +1.0
CKRC				e	S	S	19 54 56.6
NB000	NORSAR Array S	93.44	29	P	P	P	19 37 52.5 +0.9
NB000				I Amb	I Amb	I Amb	19 37 56.5
ZVIK	Zvikov	93.45	41	eP	P	P	19 37 52.2 +0.3
Q18K	Katmai Hardsc	93.48	329	P	P	P	19 37 51.9 -0.1
Q18K				S	S	S	19 48 01.9 -8.5
BRG	Bergjesshubel	93.50	39	iP	P	P	19 37 52.6 +0.4
BRG				Amp			19 37 54.9
BRG				P	P	P	19 38 00.2 +8.1
BRG				Amp			19 38 01.0
BRG				S	S	S	19 48 13.0 +2.3
BRG				SP	SP	SP	19 49 28.0 -1.6
BRG				sS	SS	SS	19 52 05.0 +5.7
BRG				PKKP	PKKP	PKKP	19 54 56.3
BRG				Amp			19 54 57.9
BRG				PKPPKP	P'P'df	P'P'df	20 03 04.1 -1.4
BRG				Amp			20 03 09.8
BRG				eP	P	P	19 39 59.5 +0.2
G22K	Bettles	93.51	337	P	P	P	19 37 52.9 +1.2
G22K				S	S	S	19 48 05.8 -4.2
N19K	Bonanza Creek	93.60	331	P	P	P	19 37 52.0 -0.4
N19K				S	S	S	19 48 02.7 -8.6
N19K				S	S	S	19 48 02.7 -8.6
BOJS	Bojanci	93.60	45	P	P	P	19 37 52.9 +0.2
TBLU	Trondheim	93.61	27	eP	P	P	19 37 54.0 +1.7
TBLU				I v m B	BB	BB	19 37 54.7
TBLU				eP	P	P	19 39 59.8 +0.3
TBLU				eS	S	S	19 40 56.8 -0.9
TBLU				eSKSac	S	S	19 47 29.1 -1.7
TBLU				e	S	S	19 48 13.1
TBLU				eSP	S	S	19 49 28.8 -1.3
SOKA	Soboth	93.61	44	iP	P	P	19 37 52.7 -0.1

SOKA		comp=Z,765nm,3.3s,SNR=11	eP	P	19 39 59.0 -1.0	
SOKA		comp=Z,346nm,2.9s	ePP	PP	19 41 46.6 -1.6	
SOKA		comp=Z,573nm,5.3s	eS	S	19 48 10.1 -1.9	
SOKA		comp=Z,5.7nm,0.6s	iPKKP	PKKPdf	19 54 55.3 +0.7	
SOKA		comp=Z,21nm,1.5s	iP	P	20 03 03.6	
L20K	Farewell, AK	93.61	333	P	P	19 37 52.1 -0.3
L20K				S	S	19 48 01.8 -9.4
L20K				S	S	19 48 01.8 -9.4
LPHEP	Lephep	93.61	114	iP	P	19 37 54.0 +0.5
RUE	Ruedersdorf	93.64	38	eP	P	19 39 59.7 -0.1
NB2	NORSAR Subarra	93.65	29	P	P	19 37 53.2 +0.6
NB2		comp=Z,216nm,1.5s,baz=260,slow=4.8				
NB2		comp=Z,249nm,1.1s,baz=258,slow=4.6				
NB2		comp=Z,939nm,3.3s,baz=269,slow=7.4				
NB2		comp=Z,8.2nm,0.7s,baz=71,slow=4.0				
NB2		comp=Z,29nm,1.7s,baz=74,slow=3.8				
NB2		comp=Z,1.4nm,0.7s,baz=114,slow=2.6				
NB2		comp=Z,129nm,2.0s,baz=67,slow=2.2				
NB2		comp=Z,258nm,slow=4.8				
NB2		comp=Z,84nm,0.8s,baz=258,slow=4.4,SNR=305				
NOA		comp=Z,69nm,1.2s,baz=259,slow=4.7,SNR=12				
NOA		comp=Z,1.8nm,0.7s,baz=268,slow=1.8,SNR=5.0				
NOA		comp=Z,1.4nm,0.6s,baz=129,slow=1.6,SNR=4.4				
NOA		comp=Z,1.4nm,0.6s,baz=94,slow=1.8,SNR=12				
D23K	Nanushuk River	93.66	339	P	P	19 37 53.9 +1.4
D23K				S	S	19 48 07.5 -3.9
RGN	Rugen	93.69	36	P	P	19 37 53.6 +0.8
RGN				I Amb	I Amb	19 37 57.6
P18K	Big Mountain	93.72	329	P	P	19 37 52.5 -0.4
P18K				S	S	19 48 02.6 -1.0
FABU	Falkenberg	93.73	33	iP	P	19 37 52.5 -0.5
NC602	NORSAR Array S	93.75	29	eP	P	19 37 54.1 +1.1
NC602		comp=Z,4um,4.0s				
NC602			eP	P	19 40 06.6 +0.4	
NC602			eSKSac	SKSac	19 47 27.5 -4.2	
NC602			eSP	SP	19 48 02.9 -10	
NC602			i	S	19 50 50.4 -2.0	
NC602			eSS	SS	19 54 47.4 -1.8	
NORES	NORESS Array B	93.75	29	P	P	19 37 55.1 +2.1
PRU	Pruhonice	93.75	40	eP	P	19 37 53.9 +0.6
PRU				eP	P	19 39 57.6 -2.9
PRU				ePKKP	PKKPdf	19 54 55.3 +1.0
PRU				e'PP	P	19 39 57.6 -2.9
PRU				e	P	19 54 55.3
H21K	Melozitna Rive	93.76	336	P	P	19 37 53.0 0.0
H21K				S	S	19 48 03.4 -8.9
H21K				S	S	19 48 03.4 -8.9
CRES	Cresna Vec Ost	93.79	44	P	P	19 37 54.0 +0.4
O18K	Koktuh Hills	93.79	330	P	P	19 37 53.0 -0.2
O18K				S	S	19 48 04.5 -8.3
O18K				S	S	19 48 04.5 -8.3
C23K	Iktilik River	93.84	340	P	P	19 37 54.6 +1.4
C23K				S	S	19 48 07.6 -5.2
PVCC	Panska Ves	93.85	40	ePKKP	P	19 54 55.1
PVCC		93.85	40	P	P	19 37 53.9 +0.2
BORU	Borala	93.86	32	iP	P	19 37 52.7 -0.8
K20K	Telida	93.86	33	P	P	19 37 53.2 -0.3
K20K				S	S	19 48 04.2 -9.1
K20K				S	S	19 48 04.2 -9.1
Q17K	Contact Creek	93.87	328	P	P	19 37 53.8 0.0
Q17K				S	S	19 48 05.9 -7.9
E22K	Anaktuvuk Pass	93.89	338	P	P	19 37 54.4 +0.8
E22K				S	S	19 48 07.2 -6.2
F22K	John River	93.89	338	P	P	19 37 54.6 +1.1
F22K				S	S	19 48 10.8 -2.7
GOPC	GO Pecny, Ondr	93.90	40	eP	P	19 37 55.0 +1.0
GOPC				ePKKP	PKKPdf	19 54 54.2 +0.2
GOPC				eP	P	19 37 55.0 +1.0
L19K	White Mountain	94.01	332	P	P	19 37 54.1 -0.2
L19K				S	S	19 48 06.5 -8.2
L19K				S	S	19 48 06.5 -8.2
MATE	Matera	94.02	50	P	P	19 37 54.3 -0.4
ARSA	Arzberg	94.02	43	iP	P	19 37 54.8 +0.2
ARSA				I Amb	I Amb	19 38 00.6
ARSA		comp=Z,162nm,0.9s				
ARSA		comp=Z,2um,2.9s,SNR=104				
ARSA		comp=Z,920nm,2.8s,SNR=18				
ARSA		comp=Z,688nm,3.8s				
ARSA		comp=Z,704nm,3.7s				
ARSA		comp=Z,1um,5.7s				
ARSA		comp=Z,6.1nm,0.5s,SNR=4.1				
J20K	Nowitza River	94.04	334	P	P	19 37 54.2 -0.1
J20K				S	S	19 48 06.6 -8.2
J20K				S	S	19 48 06.6 -8.2
IMAR	Indian Mountai	94.20	336	P	P	19 37 55.2 +0.3
G21K	Allakaket	94.21	337	P	P	19 37 55.8 +0.8
G21K				S	S	19 48 10.3 -5.9
N18K	Kilae Creek	94.25	331	P	P	19 37 55.0 -0.4
N18K				S	S	19 48 07.6 -9.2
N18K				S	S	19 48 07.6 -9.2
TREC	Trest	94.27	41	eP	P	19 37 54.7 -1.0
TREC				eP	P	19 40

5d 19h

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like RAF Rauma, GZR Gura Zlata, DRGR Lisburne Hills, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PLOK Plostina, BLSR Plostina, BISRR Bisoca, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KIV Kislodovsk, KVAR Kislodovsk Arr, GOF Gofitskoye, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MHEI, BVAO, BVAR, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like IUG, CHGR, BTG, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MTKN, AS31, ASAR, etc.

5d 20h

Table with columns: Station Name, Time, Res, and various codes (PKPbc, PKPb, etc.). Includes stations like TIA, LZH, JIMZ, SAUI, MALK, PALK, etc.

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Main table with columns: Code, Station Name, Time, Res, and various codes (PKPb, PKP, etc.). Includes stations like PMBI, Qiongzong, Rantau, etc.

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Table with columns: Code, Station Name, Time, Res, and various codes (CRUC, ORTC, etc.). Includes stations like CRUC, ORTC, BBAC, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like Chin-men Tao, Quanzhou, Hong Kong Po S, Kunigami, Qiongzong, Lahad Datu, Nanjing, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like Maura Dua, Gaotai, Shilling, Asahikawa, Kamikawa-asahi, Lhasa, Hailar, Heihe, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like Noatak River, Koyuk River, Tiguykaiuiv M, Delong Mountain, Red Dog Mine, etc.

5d 20h

CAST Castle Rocks	72.25	28	P	Iamb	Iamb	20 54 13.6 +0.4
CAST Castle Rocks	72.25	28	P	P	P	20 54 13.4 +0.2
G2K2 Bettles	72.28	24	P	P	P	20 54 13.1 -0.1
SPCR Spurr Chakacha	72.35	30	P	P	P	20 54 14.3 +0.5
H2K2 Ishallina Cre	72.39	25	P	P	P	20 54 14.5 +0.5
KDAK Kodiak Island	72.44	34	P	P	P	20 54 13.9 -0.5
KDAK Kodiak Island	72.44	34	P	P	P	20 54 15.1 +0.7
C23K Itkillik River	72.45	21	P	P	P	20 54 14.9 +0.7
D23K Nanushuk River	72.48	22	P	P	P	20 54 14.5 +0.1
SKT Skuennika	72.61	30	P	P	P	20 54 15.6 +0.3
BPBW Bear Paw Mtn.	72.69	27	P	Iamb	Iamb	20 54 16.1 +0.3
BPBW Bear Paw Mtn.	72.69	27	P	P	P	20 54 16.5 +0.7
HOM Homer	72.76	32	P	P	P	20 54 17.1 +0.9
COLD Coldfoot	72.77	24	P	P	P	20 54 16.7 +0.5
G23K Bananza Creek	72.88	25	P	P	P	20 54 17.3 +0.3
TOLK Toolik Lake Re	72.90	23	P	P	P	20 54 17.0 0.0
E23K Chandalar	72.93	23	P	P	P	20 54 17.7 +0.5
TRF Thorofore Moun	73.05	28	P	P	P	20 54 18.7 +0.5
C24K Franklin Bluff	73.12	21	P	P	P	20 54 19.0 +0.8
D24K Happy Valley	73.13	22	P	P	P	20 54 18.6 +0.3
CUT Chuilina	73.16	29	P	P	P	20 54 18.7 +0.1
BRSE Bradley Lake S	73.20	32	P	P	P	20 54 18.9 0.0
I23K Minto Yukon-K	73.29	26	P	P	P	20 54 19.5 +0.2
M22K Willow	73.30	30	P	P	P	20 54 19.7 +0.4
E24K Your Creek	73.35	23	P	P	P	20 54 20.2 +0.5
NEA2 Nenana	73.47	27	P	P	P	20 54 20.9 +0.5
RC01 Rabbit Creek A	73.55	30	P	P	P	20 54 21.2 +0.3
MCK McKinley	73.62	28	P	P	P	20 54 21.5 +0.2
F24K Squaw Lake	73.64	24	P	P	P	20 54 21.3 0.0
PMR Palmer	73.78	30	P	P	P	20 54 22.5 +0.2
SEW Seward	73.81	31	P	P	P	20 54 22.5 +0.1
H24K Noodin Dome	73.83	25	P	P	P	20 54 22.7 +0.2
G24K Hadweenic Riv	73.89	24	P	P	P	20 54 23.3 +0.5
WAT1 Susitna Watana	73.90	29	P	P	P	20 54 23.2 +0.2
COLA College	73.96	26	P	P	P	20 54 23.5 +0.3
D25K Kavik River	73.98	22	P	P	P	20 54 23.8 +0.4
CCB Clear Creek Bu	74.01	27	P	P	P	20 54 22.9 -0.6
POKR Poker Plat Res	74.10	26	P	P	P	20 54 24.8 +0.7
KNK Knik Glacier	74.13	30	P	P	P	20 54 24.6 +0.3
SML Sawmill	74.13	30	P	P	P	20 54 24.7 +0.3
PWL Port Wells	74.26	31	P	Iamb	Iamb	20 54 24.4 -0.7
PWL Port Wells	74.26	31	P	P	P	20 54 24.9 -0.2
WAT6 Susitna Watana	74.31	29	P	P	P	20 54 25.5 0.0
ILAR Denali Highway	74.38	26	P	P	P	20 54 24.1 -1.6
DHY Harding Lake	74.40	28	P	P	P	20 54 26.7 +0.7
HDA Harding Lake	74.41	27	P	P	P	20 54 25.8 -0.1
M23K Glacier View	74.42	30	P	P	P	20 54 26.2 +0.2
G25K Bearman Lake	74.42	24	P	P	P	20 54 26.2 +0.3
F25K Christian Rive	74.48	23	P	P	P	20 54 27.2 +0.9
SCM Sheep Creek Mo	74.60	29	P	P	P	20 54 26.9 -0.2
SCM Sheep Creek Mo	74.60	29	P	P	P	20 54 27.1 0.0
P23K Montague Islan	74.84	31	P	P	P	20 54 28.4 0.0
PRP Porcupine Dome	74.84	26	P	P	P	20 54 29.2 +0.7
GLI Glacier Island	74.86	30	P	P	P	20 54 29.3 +0.7
C27K Jago River	74.87	21	P	P	P	20 54 28.3 -0.1
BMAR Burnt Mountain	74.91	24	P	P	P	20 54 29.6 +0.9
K24K Donnelly Dome	75.00	27	P	P	P	20 54 29.5 +0.1
F26K Sheenjek River	75.03	23	P	P	P	20 54 29.7 +0.2
J25K Salcha River,	75.05	26	P	P	P	20 54 29.4 -0.3
M24K Tolsona, Glenn	75.10	29	P	P	P	20 54 29.8 -0.1
JOF Joensuu	75.20	332	eP	P	P	20 54 30.2 -0.2
PAX Paxson	75.28	28	P	P	P	20 54 30.7 -0.3
G26K Porcupine Rive	75.30	24	P	P	P	20 54 30.9 0.0
KLU Klutina	75.32	30	P	P	P	20 54 30.8 -0.5
RIDG Independent Ri	75.42	27	P	Iamb	Iamb	20 54 31.5 -0.4
RIDG Independent Ri	75.42	27	P	P	P	20 54 31.4 -0.4
HARP HAARP	75.52	29	P	P	P	20 54 32.1 -0.2
EYAK Cordova Ski Ar	75.56	31	P	P	P	20 54 32.8 +0.2
KEY Key	75.65	339	P	P	P	20 54 32.5 -0.3
SCRK Sand Creek	75.75	27	P	P	P	20 54 33.6 -0.2
J26L Joseph Creek	75.84	26	P	P	P	20 54 34.0 -0.2
I26K Coal Creek Min	75.85	26	P	P	P	20 54 33.6 -0.5
E27K Coleen River	75.89	23	P	P	P	20 54 34.9 +0.5
D27M Malcolm River	75.89	21	P	P	P	20 54 34.7 +0.3
N25K Chitina, Valde	75.92	29	P	P	P	20 54 34.6 -0.2
BMRM Bremner River	76.04	30	P	P	P	20 54 35.4 0.0
G27K Doyon Strip	76.15	24	P	P	P	20 54 36.7 +0.8
ARA0 ARCESS Array S	76.21	339	eP	P	P	20 54 35.6 -0.5
ARCES ARCESS Array B	76.21	339	eP	P	P	20 54 35.8 -0.4
L26K Log Cabin Wild	76.22	28	P	P	P	20 54 37.3 +0.9
SPB2 Spitsbergen Ar	76.22	348	P	P	P	20 54 35.9 -0.2
SPA0 Spitsbergen Ar	76.22	348	eP	P	P	20 54 36.0 -0.1
SPITS Spitsbergen Ar	76.22	348	P	P	P	20 54 35.6 -0.5
I27K Steamboat Moun	76.32	25	P	P	P	20 54 37.0 +0.1
I27K Kandik River	76.42	25	P	P	P	20 54 37.4 -0.1

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M26K Nabesna, AK	76.51	29	P	P	P	20 54 38.0 0.0
E28M Babbage River	76.54	22	P	P	P	20 54 38.5 +0.5
D28M Stokes Point	76.64	21	P	P	P	20 54 39.3 +0.7
F28M Old Crow	76.65	23	P	P	P	20 54 39.0 +0.3
EGAK Eagle	76.79	26	P	Iamb	Iamb	20 54 39.7 +0.2
EGAK Eagle	76.79	26	P	P	P	20 54 39.7 +0.2
L27K Beaver Creek,	76.89	28	P	P	P	20 54 40.4 +0.2
BCAR Beaver Creek	76.91	28	P	P	P	20 54 41.3 +1.0
M27K Edge Creek, AK	77.03	28	P	P	P	20 54 41.8 +0.8
KT1K Kautokeino	77.12	339	eP	Iamb	Iamb	20 54 41.3 0.0
I28M Miner Creek	77.14	25	P	P	P	20 54 41.9 +0.6
E29M Beaver Creek	77.18	22	P	P	P	20 54 41.4 0.0
BVCY Beaver Creek	77.47	28	P	P	P	20 54 44.2 +0.8
G29M Pin Creek	77.52	24	P	P	P	20 54 43.9 +0.3
H29M Whitestone	77.57	24	P	P	P	20 54 44.3 +0.5
DAWY Dawson	77.71	26	P	P	P	20 54 45.0 +0.0
YUK3 Moose Creek	77.81	29	P	P	P	20 54 45.2 -0.4
FIA1 FINESS Array S	77.90	331	P	P	P	20 54 45.5 -0.2
FINES FINESS Array B	77.90	331	P	P	P	20 54 45.4 -0.3
JETT Jettan, Norway	77.93	339	eP	Iamb	Iamb	20 54 46.3 +0.4
F30M Barrier River	78.16	23	P	P	P	20 54 47.4 +0.3
EPYK Eagle Plains	78.17	24	P	P	P	20 54 47.0 -0.2
G30M A'oh Zraii Nij	78.18	23	P	P	P	20 54 47.0 +0.2
O28M Mount Upton	78.19	30	P	P	P	20 54 48.1 +0.3
YUK8 Old Glacier	78.26	29	P	P	P	20 54 48.5 +0.4
KEF Keuruu	78.27	332	eP	P	P	20 54 47.2 -0.6
PINM Pinacle	78.33	31	P	P	P	20 54 48.3 +0.1
BRTR Keskin Array B	78.36	308	P	P	P	20 54 48.4 -0.6
BRTR Keskin Array B	78.36	308	P	P	P	20 54 48.9 -0.1
ARBE Arbavere	78.46	329	eP	P	P	20 54 48.5 -0.4
L29M L29M	78.51	27	P	P	P	20 54 49.7 +0.5
M29M Somme Creek	78.54	28	P	P	P	20 54 49.4 0.0
K29M Sartov Dome	78.56	26	P	P	P	20 54 49.3 -0.3
I30M Mount Dempster	78.64	25	P	P	P	20 54 50.0 +0.1
INK Ink	78.75	22	P	P	P	20 54 50.0 -0.3
AKASO Malin Array Be	78.83	320	P	P	P	20 54 50.4 -0.7
KIEV Kiev	78.84	320	P	Iamb	Iamb	20 54 50.9 -0.3
J30M Hart River	78.85	26	P	P	P	20 54 50.8 -0.3
G31M Satah River	78.93	23	P	P	P	20 54 51.0 -0.3
F31M Tsiigheitchic	78.96	22	P	P	P	20 54 51.7 +0.3
YUK6 Outpost Mounta	79.00	29	P	P	P	20 54 52.0 -0.2
YAF Ylistaro	79.01	333	eP	P	P	20 54 51.7 -0.1
MEF Metsahovi	79.02	330	eP	P	P	20 54 52.1 +0.1
O29M Mount Kennedy	79.08	30	P	P	P	20 54 52.9 +0.4
H31M Peel River	79.27	24	P	P	P	20 54 53.3 +0.1
MAYO Mayo, Yukon	79.33	26	P	P	P	20 54 54.4 +0.8
HAYT Haines Junction	79.44	29	P	P	P	20 54 54.8 +0.4
N30M Aishik Lake	79.45	29	P	P	P	20 54 54.5 +0.1
P29M Windy Craggy	79.68	31	P	P	P	20 54 55.7 +0.1
MTSE Matsula	79.73	328	eP	P	P	20 54 55.8 -0.1
P30M Million Dollar	79.91	30	P	P	P	20 54 57.2 +0.3
A36M Sachs Harbour	79.95	17	P	P	P	20 54 56.4 -0.4
RAF Rauma	80.03	331	eP	P	P	20 54 57.0 -0.4
N13M Braeburn, Yuko	80.04	29	P	P	P	20 54 57.8 +0.3
O30M Mendenhall	80.12	29	P	P	P	20 54 58.2 +0.2
STEI Steigen	80.26	339	eP	Iamb	Iamb	20 54 58.1 -0.4
PLBC Pleasant Camp	80.40	31	P	P	P	20 54 59.6 +0.1
M31M Drury Creek, Y	80.43	28	P	P	P	20 55 00.0 +0.4
FAUS Fauske	80.46	338	eP	P	P	20 54 59.0 -0.5
PABE Paberze	80.59	325	eP	P	P	20 55 00.8 +0.3
WHY Whitehorse	80.72	29	P	P	P	20 55 01.3 -0.1
FARO Faro, Yukon	80.88	27	P	P	P	20 55 02.5 +0.5
SKAG Skagway	80.90	30	P	P	P	20 55 02.3 +0.1
MOR8 Moi Rana	81.25	337	eP	Iamb	Iamb	20 55 02.2 -1.6
EUNU Eureka	81.31	5	P	P	P	20 55 05.3 +1.2
N32M Quiet Lake	81.38	28	P	P	P	20 55 04.8 -0.2
C36M Paulatuk	81.49	19	P	Iamb	Iamb	20 55 04.5 -0.6
C36M Paulatuk	81.49	19	P	P	P	20 55 04.9 -0.1
P32M Atlin	81.63	30	P	P	P	20 55 06.2 +0.1
STOK Stokkvaagen	81.70	337	eP	P	P	20 55 05.2 -1.0
LEIR Leirfjord	81.76	337	eP	Iamb	Iamb	20 55 06.1 -0.4
P33M Teslin, Yukon	81.83	29	P	P	P	20 55 07.1 -0.1
BUR08 Buocovina Ar. S	82.20	317	P	Iamb	Iamb	20 55 09.6 +0.2
Q32M Nakina River	82.55	30	P	P	P	20 55 11.1 -0.1
NSS Nares	82.88	336	eP	P	P	20 55 11.6 -0.8
R33M Jennings River	83.01	30	P	P	P	20 55 13.6 +0.2
DAG Danmarks Havn</						

TOL2	Toitoli	33.56	227	P	Amb	23 00 53.7	-0.1
TOL2	comp=Z,197nm,1.7s					23 01 10.1	
TOL2	Toitoli	33.56	227	P	P	23 00 54.9	+1.1
GYA	Guyang	33.93	280	P	P	23 00 58.0	+0.8
GYA	comp=Z,2um,17.8s					23 01 09.5	+3.8
GYA	comp=Z,3um,18.8s					23 02 10.8	+0.7
GYA	comp=Z,41nm,1.4s					23 06 15.4	-6.1
GYA	comp=Z,2um,17.8s						
GYA	comp=Z,3um,18.8s						
GYA	comp=Z,41nm,1.4s						
LUWI	Luwuk	33.97	222	P	P	23 00 57.0	-0.4
LUWI	Luwuk	33.97	222	P	P	23 00 57.9	+0.5
LUWI	comp=Z,4um,comp=Z,204nm,1.1s					23 00 57.0	-0.4
MA2	Magadan	34.05	6	P	IAMB	23 00 57.7	+0.1
MA2	comp=Z,166nm,1.6s					23 01 13.6	
MA2	Magadan	34.05	6	P	IAMB	23 00 57.1	-0.5
MA2	comp=Z,11nm,0.7s,baz=177,slow=1.1,SNR=9.2					23 01 13.6	
MA2	comp=Z,2um,20.5s,baz=183,slow=34						
MA2	comp=Z,11nm,0.7s						
MA2	Magadan	34.05	6	P	IAMB	23 00 58.7	+1.1
MA2	comp=Z,45nm,1.7s						
APSI	Ampana	34.55	223	P	P	23 01 02.2	-0.2
APSI	comp=Z,2um,comp=Z,198nm,1.1s						
APSI	Shemya Is, Ala	34.88	32	LR	LR	23 01 47.7	
APSI	comp=Z,3um,20.2s,baz=278,slow=34						
PMG	Port Moresby	35.08	175	P	IAMB	23 01 06.2	-0.7
PMG	comp=Z,126nm,1.2s					23 01 21.8	
PMG	Port Moresby	35.08	175	P	IAMB	23 01 07.2	+0.3
PMG	Port Moresby	35.08	175	P	IAMB	23 01 05.9	-1.0
PMG	comp=Z,35nm,0.8s						
PCI	Palu	35.69	226	P	P	23 01 12.4	+0.1
PCI	comp=Z,3um,comp=Z,149nm,1.1s						
SAUI	Saumlaki	35.95	203	P	P	23 01 14.9	+0.4
SAUI	Saumlaki	35.95	203	P	P	23 01 15.2	+0.7
SAUI	Saumlaki	35.95	203	P	P	23 01 15.4	+0.9
CD2	Chengdu	36.10	288	P	P	23 01 16.0	+0.2
CD2	comp=Z,2um,1.1s					23 02 34.2	-2.6
CD2	comp=Z,2um,1.1s					23 06 54.4	-0.4
CD2	comp=Z,2um,1.1s					23 07 03.3	+2.3
CD2	comp=Z,90nm,0.8s						
CD2	comp=Z,730nm,8.2s						
CD2	comp=Z,3um,13.9s						
CD2	comp=Z,4um,15.3s						
CD2	comp=Z,9um,16.2s						
LZH	Lanzhou	36.15	296	P	P	23 01 13.5	-2.8
LZH	comp=Z,3um,16.5s					23 02 40.7	+2.2
LZH	comp=Z,3um,16.5s					23 06 53.7	-2.0
LZH	comp=Z,3um,16.5s					23 07 28.8	-0.8
LZH	comp=Z,70nm,1.5s						
LZH	comp=Z,940nm,7.6s						
LZH	comp=Z,3um,16.5s						
LZH	comp=Z,4um,16.5s						
LZH	comp=Z,6um,17.9s						
KDI	Kendari	36.41	219	P	P	23 01 20.1	+1.6
KDI	comp=Z,3um,comp=Z,168nm,0.8s						
ULN	Ulaanbaatar	36.71	317	P	P	23 01 21.0	+0.1
ULN	Ulaanbaatar	36.71	317	P	P	23 01 20.5	-0.4
ULN	Ulaanbaatar	36.71	317	P	P	23 07 05.2	+1.2
ULN	Ulaanbaatar	36.71	317	P	P	23 01 21.0	+0.1
ULN	comp=Z,289nm,1.4s						
ULN	MLR						
SOMI	Songino Array	37.11	316	P	P	23 01 24.5	+0.3
SOMI	comp=Z,25nm,0.9s,baz=127,slow=8.4,SNR=5.6						
SOMI	comp=Z,17nm,1.1s,baz=132,slow=3.4,SNR=4.2					23 03 44.1	-0.4
SOMI	comp=Z,2um,20.4s,baz=109,slow=35					23 16 03.2	
SOMI	comp=Z,29nm,0.9s						
TTSI	Tana Toraja	37.35	223	P	P	23 01 26.9	+0.5
TTSI	comp=Z,2um,comp=Z,63nm,0.8s						
SLVN	Son La	37.40	272	P	P	23 01 27.2	+0.3
SLVN	Son La	37.40	272	P	P	23 01 29.5	+2.5
SEY	Seymchan	37.50	6	P	P	23 01 26.5	-0.7
SEY	comp=Z,9.3nm,0.5s,baz=184,slow=8.2,SNR=54					23 16 00.4	
SEY	comp=Z,2um,19.2s,baz=162,slow=35						
SEY	comp=Z,9.3nm,0.5s						
SEY	Seymchan	37.50	6	P	P	23 01 26.0	-1.2
SEY	comp=Z,38nm,1.2s						
YAK	Yakutsk	37.59	349	P	IAMB	23 01 27.1	-0.8
YAK	comp=Z,125nm,1.1s					23 01 49.4	
YAK	Yakutsk	37.59	349	P	IAMB	23 01 27.4	-0.5
YAK	comp=Z,18nm,0.6s,baz=90,slow=5.1,SNR=20						
YAK	comp=Z,2um,21.8s,baz=147,slow=35					23 15 55.8	
YAK	comp=Z,18nm,0.6s						
YAK	Yakutsk	37.59	349	P	IAMB	23 01 27.4	-0.5
YAK	comp=Z,18nm,0.6s					23 01 32.4	-0.7
YAK	comp=Z,18nm,0.6s					23 07 18.1	+1.6
YAK	comp=Z,18nm,0.6s					23 07 28.9	-3.4
YAK	comp=Z,18nm,0.6s					23 09 55.3	+0.2
YAK	comp=Z,18nm,0.6s					23 11 42.7	
YAK	comp=Z,36nm,1.1s						
YAK	comp=N,22nm,1.3s						
YAK	comp=E,8.0nm,1.4s						
YAK	comp=E,260nm,3.8s						
YAK	comp=N,2um,6.2s						
YAK	comp=Z,3um,17.0s						
YAK	comp=N,2um,16.0s						
YAK	comp=E,1um,14.0s						
KMI	Kunming	37.63	278	P	P	23 01 30.1	+1.1
KMI	comp=Z,1um,21.1s,baz=332,slow=33					23 01 41.1	+3.2
KMI	comp=Z,1um,21.1s					23 07 17.1	-1.4
KMI	comp=E,35nm,1.4s						
KMI	comp=E,620nm,7.8s						
KMI	comp=E,2um,17.2s						
KMI	comp=E,4um,19.4s						
KMI	comp=E,4um,19.5s						
BBSI	Bau Bau	37.70	218	P	IAMB	23 01 31.5	+2.1
BBSI	comp=E,3um,comp=E,220nm,1.4s						
BKB	Balikpapan	37.91	229	P	IAMB	23 01 30.9	-0.2
BKB	comp=Z,179nm,1.0s					23 01 45.8	
HNR	Honiara	38.09	155	LR	LR	23 01 49.7	
HNR	comp=Z,1um,21.1s,baz=332,slow=33						
SPSI	Sidrap Palu	38.10	223	P	P	23 01 32.8	+0.1
PZH	PanZhiHua	38.29	281	P	P	23 01 35.1	+0.6
PZH	comp=Z,30nm,1.3s					23 03 06.9	+4.8
PZH	comp=Z,30nm,1.3s					23 07 26.0	-2.3
PZH	comp=Z,640nm,5.0s						
PZH	comp=Z,2um,16.1s						
PZH	comp=Z,4um,8.8s						

PZH	comp=Z,5um,19.6s						
BOD	Boadabo	38.64	334	eP	P	23 01 37.2	+0.4
BOD	comp=Z,47nm,1.5s						
SBUM	Sibu	38.78	239	P	P	23 01 38.9	+0.4
KAPI	Kappang	38.94	222	P	IAMB	23 01 40.5	+0.7
KAPI	comp=Z,211nm,1.3s					23 02 01.3	
KAPI	Kappang	38.94	222	P	P	23 01 40.3	+0.5
KAPI	Kappang	38.94	222	P	P	23 01 40.3	+0.5
KAPI	Kappang	38.94	222	P	P	23 01 40.3	+0.5
KAPI	Kappang	38.94	222	P	P	23 07 38.2	+0.4
KAPI	Kappang	38.94	222	P	P	23 07 38.2	+0.4
KAPI	Kappang	38.94	222	P	P	23 07 38.2	+0.4
KAPI	Kappang	38.94	222	P	P	23 01 40.5	+1.0
KAPI	Kappang	38.94	222	P	P	23 01 40.5	+0.7
BKSI	Bulukumba	38.96	221	P	P	23 01 40.2	+0.2
BKSI	Bau Bau, Buton	39.41	220	P	P	23 01 44.5	+0.7
COEN	Coen	39.53	182	P	P	23 01 44.5	-0.3
COEN	Coen	39.53	182	P	P	23 01 44.8	+0.0
COEN	comp=Z,90nm,1.1s						
COEN	Coen	39.53	182	P	P	23 01 44.7	0.0
GTA	Gaotai	39.66	301	pP	S	23 01 47.0	+1.2
GTA	Gaotai	39.66	301	pP	S	23 01 53.2	-1.4
GTA	Gaotai	39.66	301	pP	S	23 07 43.3	-5.3
GTA	comp=Z,15nm,1.4s						
GTA	comp=Z,600nm,10.0s						
GTA	comp=Z,3um,15.1s						
GTA	comp=Z,3um,17.9s						
GTA	comp=Z,3um,19.5s						
ZAK	Zakamensk	39.97	319	eP	P	23 01 48.4	+0.1
ZAK	comp=Z,70nm,1.8s						
KDU	Kakadu	40.01	198	P	P	23 01 48.6	-0.1
KDU	comp=Z,64nm,0.8s						
KDU	IRK	40.01	198	eP	P	23 01 50.2	+0.5
IRK	IRK	40.16	322	eS	P	23 07 59.6	+4.0
IRK	IRK	40.16	322	eS	P	23 07 59.6	+4.0
SOEI	Soe	40.47	212	P	IAMB	23 01 51.4	-1.3
SOEI	comp=Z,91nm,0.8s					23 02 19.9	
SOEI	Soe	40.47	212	P	P	23 01 53.1	+0.4
SOEI	comp=Z,2um,comp=Z,116nm,0.8s						
MMRI	Maumere	40.51	215	P	P	23 01 52.9	0.0
MMRI	Maumere	40.51	215	P	P	23 01 54.2	+1.3
MMRI	Maumere	40.51	215	P	P	23 01 52.6	-0.3
MTN	Manten Dam	40.56	200	P	P	23 01 52.8	-0.5
BATI	Baumata	41.15	212	LR	LR	23 19 31.8	
BATI	comp=Z,673nm,18.2s,baz=357,slow=37						
BATI	Baumata	41.15	212	LR	LR	23 01 57.7	-0.5
BATI	comp=Z,2um,comp=Z,77nm,0.9s						
TNCH	TengChong	41.41	279	P	P	23 02 08.0	+0.3
TNCH	TengChong	41.41	279	P	P	23 03 39.8	-1.0
TNCH	TengChong	41.41	279	P	P	23 08 15.4	+0.2
TNCH	TengChong	41.41	279	P	P	23 11 12.1	-7.2
TNCH	comp=Z,25nm,1.1s						
TNCH	comp=Z,390nm,3.5s						
TNCH	comp=Z,2um,13.4s						
TNCH	comp=Z,2um,16.4s						
TNCH	comp=Z,5um,18.9s						
PHRA	Phrae	41.52	269	P	P	23 02 01.9	+0.6
MOY	Mondy	41.79	320	eP	P	23 02 04.0	+0.7
MOY	comp=Z,132nm,3.7s						
CHTO	Chiang Mai	42.58	270	P	IAMS_20	23 02 09.7	-0.3
CHTO	comp=Z,4um,20.0s					23 19 20.5	
CHTO	Chiang Mai	42.58	270	P	P	23 02 08.5	-1.5
CHTO	Chiang Mai	42.58	270	P	P	23 02 09.7	-0.3
CHTO	comp=Z,107nm,1.5s						
CHTO	comp=Z,4um,20.0s						
CM31	Chiang Mai Arr	42.69	270	P	P	23 02 11.1	+0.2
CMAR	Chiang Mai Arr	42.69	270	P	P	23 02 11.1	+0.2
CMAR	comp=Z,20nm,0.8s,baz=56,slow=8.0,SNR=6.2					23 19 55.0	
CMAR	comp=Z,4um,19.5s,baz=75,slow=36						
CMAR	comp=Z,20nm,0.8s						
CMAR	Chiang Mai Arr	42.69	270	P	P	23 02 11.6	+0.7
CMAR	comp=Z,211nm,0.8s						
BASI	Baig, Sumba	42.72	216	P	P	2	

F14K	Arctic Creek	50.25	24	P	P	23 03 10.0	+0.4
L15K	Ungali Mounta	50.72	30	P	P	23 03 13.1	0.0
O15K	Ungalithiuk R	50.73	33	P	P	23 03 14.2	+0.9
CHGN	Chignik	50.76	37	P	P	23 03 12.3	-1.2
CHGN				Iamb	Iamb	23 03 30.4	
CHGN				IAMS_20	IAMS_20	23 21 27.8	
CHGN				IAMS_20	IAMS_20	23 03 12.1	-1.4
M15K	Kasigluk River	50.76	31	P	P	23 03 13.1	-0.4
N15K	Kwethluk River	50.89	32	P	P	23 03 14.6	+0.1
G15K	Niukluk	50.91	25	P	P	23 03 14.8	+0.3
K15K	Wolf Creek Mou	50.91	29	IAMS_20	IAMS_20	23 23 06.0	
K15K	Wolf Creek Mou	50.91	29	P	P	23 03 14.8	+0.2
F15K	North Star Dit	50.98	24	P	P	23 03 15.3	+0.2
BSI	Banda Aceh	51.16	255	P	P	23 03 18.3	+1.1
ZSN	Zaisan	51.19	311	eP	eS	23 03 17.5	+0.6
ZSN	Zaisan	51.19	311	eP	eS	23 03 36.8	+2.2
ZSN	Zaisan	51.19	311	eP	eP	23 03 17.5	+0.6
ZSN	Zaisan	51.19	311	eP	eS	23 10 36.9	+2.2
EIDS	Eidsvold	51.25	172	P	P	23 03 16.3	-1.2
GS1	Gunungstotilo	51.32	249	P	P	23 03 18.2	-0.1
GS1	Gunungstotilo	51.32	249	Iamb	Iamb	23 03 42.7	
GS1	Gunungstotilo	51.32	249	P	P	23 03 19.3	+0.9
GS1	Gunungstotilo	51.32	249	P	P	23 03 19.2	+0.9
H16K	Elim	51.47	26	P	P	23 03 18.8	+0.1
N16K	Nishilik Lake	51.60	32	P	P	23 03 20.3	+0.5
P16K	Nushagak River	51.61	34	P	P	23 03 19.9	0.0
L16K	Owhat River	51.63	30	IAMS_20	IAMS_20	23 23 43.0	
L16K	Owhat River	51.63	30	P	P	23 03 20.1	+0.1
J16K	Anvik River	51.65	28	IAMS_20	IAMS_20	23 22 60.0	
J16K	Anvik River	51.65	28	P	P	23 03 20.3	+0.2
M16K	Timber Creek	51.67	31	P	P	23 03 19.9	-0.4
O16K	Kokwok River B	51.70	33	IAMS_20	IAMS_20	23 23 19.3	
O16K	Kokwok River B	51.70	33	P	P	23 03 20.3	-0.2
G16K	Koyuk River	51.72	25	P	P	23 03 20.2	-0.4
I17K	Unalakleet	51.82	27	P	P	23 03 21.2	-0.1
ZAA0	Zalesovo Array	51.85	320	P	Iamb	23 03 21.6	-0.2
ZAA0	Zalesovo Array	51.85	320	Iamb	Iamb	23 03 29.8	
ZALV	Zalesovo Beam	51.85	320	P	P	23 03 21.2	-0.5
ZALV	Zalesovo Beam	51.85	320	PcP	PcP	23 04 34.3	-0.2
ZALV	Zalesovo Beam	51.85	320	LR	LR	23 25 10.9	
ZALV	Zalesovo Beam	51.85	320	IAMS_20	IAMS_20	23 23 21.7	0.0
ZALV	Zalesovo Beam	51.85	320	IAMS_20	IAMS_20	23 28 39.2	
C16K	Lisburne Hills	51.92	21	P	P	23 03 22.1	+0.1
C16K	Lisburne Hills	51.92	21	P	P	23 03 22.1	+0.1
QLP	Quilpie	52.07	180	P	P	23 03 22.1	-1.4
QLP	Quilpie	52.07	180	P	P	23 03 23.1	+0.5
NOUC	Port Laguerre	52.08	154	P	P	23 03 25.2	+1.5
DZM	Mont Dzumac	52.11	154	Iamb	Iamb	23 03 29.1	0.0
DZM	Mont Dzumac	52.11	154	eP	eP	23 03 21.9	-2.2
DZM	Mont Dzumac	52.11	154	PP	PP	23 05 21.3	-1.3
DZM	Mont Dzumac	52.11	154	eS	S	23 10 42.9	-4.9
DZM	Mont Dzumac	52.11	154	eSS	SS	23 14 24.0	-1.5
DZM	Mont Dzumac	52.11	154	eLR	LR	23 18 21.0	
DZM	Mont Dzumac	52.11	154	LR	LR	23 25 14.1	
DZM	Mont Dzumac	52.11	154	P	P	23 03 25.2	+1.1
CHIR	Chirikof Islan	52.21	38	IAMS_20	IAMS_20	23 26 32.2	
CHIR	Chirikof Islan	52.21	38	P	P	23 03 24.3	-0.1
CHIR	Chirikof Islan	52.21	38	P	P	23 03 28.5	+4.1
O17K	Koliganek Bris	52.23	33	P	P	23 03 24.3	-0.2
L17K	Donlin	52.29	30	P	P	23 03 24.9	0.0
A19K	Ouen Toro	52.32	154	P	P	23 03 25.6	0.0
ONTNC	Ouen Toro	52.32	154	Iamb	Iamb	23 03 50.4	
J17K	VABM Dome	52.33	28	IAMS_20	IAMS_20	23 23 40.0	
J17K	VABM Dome	52.33	28	P	P	23 03 26.2	+1.0
N17K	Nushagak Hills	52.37	32	P	P	23 03 25.9	+0.3
N17K	Nushagak Hills	52.37	32	Iamb	Iamb	23 03 47.4	
N17K	Nushagak Hills	52.37	32	P	P	23 03 26.1	+0.6
D17K	Noutak River	52.41	22	P	P	23 03 25.8	+0.1
G17K	Kiwalik Mounta	52.42	25	P	P	23 03 25.8	0.0
P17K	Kvichak River	52.43	34	P	P	23 03 25.3	-0.7
K17K	Iditarod	52.46	29	IAMS_20	IAMS_20	23 23 55.1	
K17K	Iditarod	52.46	29	P	P	23 03 26.4	+0.2
M17K	Holitna River	52.48	31	P	P	23 03 25.9	-0.4
H17K	Granite Mounta	52.50	26	P	P	23 03 26.7	+0.2
O17K	Contact Creek	52.51	35	P	P	23 03 25.9	-0.8
MBWA	Marble Bar	52.51	210	P	P	23 03 27.1	+0.1
MBWA	Marble Bar	52.51	210	P	P	23 03 26.3	-0.7
MBWA	Marble Bar	52.51	210	P	P	23 03 28.6	+1.6
MBWA	Marble Bar	52.51	210	P	P	23 03 28.6	+1.6
MBWA	Marble Bar	52.51	210	P	P	23 03 27.9	+0.9
F17K	Baldwin Pennin	52.55	24	P	P	23 03 26.6	-0.1
E17K	Hotham Inlet	52.59	23	P	P	23 03 26.8	-0.3
RD0G	Red Dog Mine	52.63	22	P	P	23 03 27.7	+0.4
C17K	DeLong Mountai	52.72	22	P	P	23 03 28.1	+0.1
ACHA	Angle Creek He	52.79	35	P	P	23 03 27.5	-1.3
PSACT	Pilbara Seismi	52.81	209	P	P	23 03 29.3	+0.1
PSA00	Pilbara Seismi	52.83	209	P	P	23 03 28.5	-0.8
PSA00	Pilbara Seismi	52.83	209	P	P	23 03 29.7	+0.5
PSA00	Pilbara Seismi	52.83	209	P	P	23 03 29.8	+0.5
BOK	Bokaro	52.90	281	eP	S	23 03 30.7	+0.7
BOK	Bokaro	52.90	281	eS	Iamb	23 10 56.1	-2.6
BOK	Bokaro	52.90	281	Iamb	Iamb	23 11 16.8	
WRKA	Warakuna	52.91	199	P	P	23 03 29.9	-0.1

WRKA	Warakuna	52.91	199	P	P	23 03 29.5	-0.4
MK31	Makanchi Array	52.92	310	P	P	23 03 30.1	+0.2
MK31	Makanchi Array	52.92	310	eP	P	23 03 30.8	+0.9
MKAR	Makanchi Array	52.92	310	P	P	23 03 29.4	-0.5
MKAR	Makanchi Array	52.92	310	P	P	23 04 39.2	+0.5
MKAR	Makanchi Array	52.92	310	LR	LR	23 26 47.7	
MKAR	Makanchi Array	52.92	310	P	P	23 33 57.8	-4.0
MKAR	Makanchi Array	52.92	310	iP	iP	23 03 30.3	+0.4
N18K	Kilae Creek	53.03	32	P	P	23 03 30.6	+0.1
N18K	Kilae Creek	53.03	32	Iamb	Iamb	23 03 57.5	
N18K	Kilae Creek	53.03	32	P	P	23 03 30.0	-0.5
Q18K	Katmai Hardscr	53.04	35	P	P	23 03 29.2	-1.4
L18K	Granite Mounta	53.04	30	P	P	23 03 31.2	+0.7
L18K	Granite Mounta	53.04	30	Iamb	Iamb	23 03 56.9	
L18K	Granite Mounta	53.04	30	IAMS_20	IAMS_20	23 24 44.7	
L18K	Granite Mounta	53.04	30	P	P	23 03 29.9	-0.5
P18K	Big Mountain,	53.07	34	IAMS_20	IAMS_20	23 24 13.1	
P18K	Big Mountain,	53.07	34	P	P	23 03 30.4	-0.4
S1I	Sitkinak Islan	53.12	37	IAMS_20	IAMS_20	23 23 49.3	
S1I	Sitkinak Islan	53.12	37	P	P	23 03 31.0	-0.1
S1I	Sitkinak Islan	53.12	37	P	P	23 03 35.7	+4.6
R18K	Kariuk	53.13	36	P	P	23 03 30.7	-0.5
MAKZ	Makanchi	53.14	310	Iamb	Iamb	23 03 31.7	+0.2
MAKZ	Makanchi	53.14	310	IAMS_20	IAMS_20	23 26 53.3	
MAKZ	Makanchi	53.14	310	P	P	23 03 31.7	+0.2
MAKZ	Makanchi	53.14	310	P	P	23 03 34.5	+0.3
MAKZ	Makanchi	53.14	310	MLR	MLR	23 03 31.7	+0.4
E18K	Tukpahlearik C	53.16	23	P	P	23 03 31.7	+0.4
O18K	Koktuh Hills	53.18	33	IAMS_20	IAMS_20	23 24 14.9	
O18K	Koktuh Hills	53.18	33	P	P	23 03 31.7	+0.2
H18K	Honhosa River	53.20	26	P	P	23 03 30.9	-0.7
F18K	Selawik	53.20	24	P	P	23 03 31.5	0.0
M18K	Stony River	53.25	31	P	P	23 03 31.8	-0.2
G18K	Tagagawik	53.33	25	P	P	23 03 32.3	-0.2
INKA	Innaminka	53.35	184	P	P	23 03 33.7	+0.7
J18K	Innoko River	53.37	29	IAMS_20	IAMS_20	23 24 42.6	
J18K	Innoko River	53.37	29	P	P	23 03 32.7	-0.2
C18K	Utukok River	53.45	22	P	P	23 03 33.5	0.0
TW1H	Tookomba 1 Ha	53.51	172	P	P	23 03 35.0	+0.7
J18K	Waveli Hill	53.51	171	P	P	23 03 34.5	+0.3
B18K	Koolik River	53.56	21	P	P	23 03 34.3	+0.3
GCSA	Galena City Sc	53.67	27	P	P	23 03 34.3	-0.6
O19K	Port Alsworth	53.69	33	IAMS_20	IAMS_20	23 24 20.3	
O19K	Port Alsworth	53.69	33	P	P	23 03 35.2	0.0
OHAK	Old Harbor	53.70	37	P	P	23 03 35.0	-0.4
OHAK	Old Harbor	53.70	37	Iamb	Iamb	23 03 58.9	
OHAK	Old Harbor	53.70	37	P	P	23 03 39.0	+3.6
N19K	Bonanza Creek	53.73	32	P	P	23 03 35.6	-0.1
Q19K	Cape Douglas	53.79	35	IAMS_20	IAMS_20	23 24 45.0	
Q19K	Cape Douglas	53.79	35	P	P	23 03 34.6	-1.5
L19K	White Mountain	53.87	30	IAMS_20	IAMS_20	23 25 21.8	
L19K	White Mountain	53.87	30	P	P	23 03 35.6	-0.9
OOD	Onadatta	53.95	190	P	P	23 03 37.0	-0.5
J19K	Poorman	53.98	28	IAMS_20	IAMS_20	23 24 21.3	
J19K	Poorman	53.98	28	P	P	23 03 37.0	-0.4
F19K	Shaleruick Mo	53.98	24	P	P	23 03 35.8	-1.4
G19K	Purcell Mounta	54.02	25	P	P	23 03 37.2	-0.3
H19K	Roundabout Mou	54.08	26	P	P	23 03 38.2	+0.2
H19K	Roundabout Mou	54.08	26	P	P	23 03 38.0	0.0
P19K	Oil Pt	54.12	34	IAMS_20	IAMS_20	23 24 54.8	
P19K	Oil Pt	54.12	34	P	P	23 03 37.4	-1.1
A19K	Winwright	54.15	20	P	P	23 03 38.2	-0.2
KDAK	Kodiak Island	54.16	36	P	P	23 03 38.0	-0.7
KDAK	Kodiak Island	54.16	36	IAMS_20	IAMS_20	23 24 29.8	
KDAK	Kodiak Island	54.16	36	LR	LR	23 24 42.3	
KDAK	Kodiak Island	54.16	36	P	P	23 03 37.5	-1.2
KDAK	Kodiak Island	54.16	36	P	P	23 03 38.0	-0.7
KDAK	Kodiak Island	54.16	36	P	P	23 03 38.0	-0.7
KDAK	Kodiak Island	54.16	36	P	P	23 03 38.0	-0.7
MSVF	Nonsavu	54.17	140	P	P	23 03 39.8	+0.5
MSVF	Nonsavu	54.17	140	Iamb	Iamb	23 04 07.4	
MSVF	Nonsavu	54.17	140	LR	LR	23 23 54.3	
MSVF	Nonsavu	54.17	140	P	P	23 03 41.6	+2.2
MSVF	Nonsavu	54.17	140	P	P	23 03 39.8	+0.5
C19K	Lookout Ridge	54.17	21	P	P	23 03 39.0	+0.2
ILSW	Iliamna Southw	54.23	33	IAMS_20	IAMS_20	23 25 06.5	
L20K	Farewell, AK	54.38	30	P	P	23 03 39.3	-0.9
Q20K	Shuyak Island	54.38	35	P			

ASHO	Ashiyah	78.37 292	P	P	23 06 14.1	-0.5
ASHO	Ashiyah	78.37 292	i P	P	23 06 14.9	+0.3
PLID	Pearl Lake	78.44 45	P	P	23 06 13.6	-1.3
ARQ	Araqi	78.51 290	P	P	23 06 15.3	-0.1
ARQ	SNR=17		P	P	23 06 15.3	-0.1
NAZ	Nazwa, Dubai	78.59 292	P	P	23 06 14.9	-0.8
NAZ	SNR=2		P	P	23 06 14.9	-0.8
LPSR	Galich'ya Gora	78.76 323	eP	P	23 06 16.2	+0.3
YERR	Yerington	78.76 52	IAMS_20	IAMS_20	23 35 24.8	
OBN	Obninsk	78.79 326	P	P	23 06 15.2	-1.0
OBN	Obninsk	78.79 326	LR	LR	23 44 31.6	
OBN	Obninsk	78.79 326	iP	P	23 06 16.8	+0.5
OBN	Obninsk	78.79 326	eP	P	23 06 16.1	-0.1
OBN	Obninsk	78.79 326	eP	P	23 06 18.9	-1.1
OBN	Obninsk	78.79 326	eP	P	23 06 22.9	-0.3
OBN	Obninsk	78.79 326	eP	P	23 09 09.3	
OBN	Obninsk	78.79 326	eP	P	23 11 02.1	
OBN	Obninsk	78.79 326	eP	P	23 16 13.1	-0.2
OBN	Obninsk	78.79 326	eP	P	23 21 19.9	+2.9
OBN	Obninsk	78.79 326	eP	P	23 06 16.2	0.0
WAKR	Walker	78.81 53	IAMS_20	IAMS_20	23 35 30.3	
ALNE	Al Ain	78.88 291	P	P	23 06 16.9	-0.5
ALNE	SNR=11		P	P	23 06 16.9	-0.5
ALNE	Al Ain	78.88 291	i P	P	23 06 17.7	+0.3
DOM	Dom	78.98 287	P	P	23 06 17.0	-1.0
MOS	Missoula	78.99 43	P	P	23 06 16.7	-1.1
ASUD	Al Ashush, Dub	79.01 292	P	P	23 06 17.3	-0.8
ASUD	Al Ashush, Dub	79.01 292	P	P	23 06 17.3	-0.8
VORR	Voronezh	79.04 322	eP	P	23 06 18.4	+0.4
MFID	Camas Ranch	79.26 47	IAMS_20	IAMS_20	23 39 03.7	
PUL	Pulkovo	79.27 332	i P	P	23 06 19.5	+0.7
VSR	Storozhevo	79.27 322	eP	P	23 06 18.4	-0.6
AJN	Ajban	79.32 292	P	P	23 06 19.3	-0.4
VORD	Divnogorie	79.32 322	eP	P	23 06 18.1	-1.1
STEI	Steigen	79.35 343	eP	P	23 06 18.8	-0.2
RYAN	Ryan	79.42 52	IAMS_20	IAMS_20	23 35 00.2	
BMN	Battle Mountai	79.58 50	IAMS_20	IAMS_20	23 38 22.4	
LHV	Little Hunttoon	79.59 53	IAMS_20	IAMS_20	23 35 25.7	
DBG	Daneborg	79.65 356	i P	P	23 06 22.4	+1.7
NVAR	Minna Array Bea	79.66 52	P	P	23 06 21.1	-0.6
NVAR	SNR=28.8nm,0.6s,baz=286,slow=6.3,SNR=25		LR	LR	23 36 05.1	
FAUS	Fauske	79.72 342	eP	P	23 06 21.4	+0.2
GOF	Gofitskoye	79.75 315	eP	P	23 06 22.3	+0.6
NV11	Minna Array Sit	79.76 52	P	P	23 06 21.4	-0.8
FIAT	FINES Array S	80.03 335	P	P	23 06 22.7	-0.2
FINES	FINES Array B	80.03 335	P	P	23 06 22.7	-0.2
FINES	SNR=71,slow=5.1,SNR=626		LR	LR	23 44 25.6	
KEF	Keuruu	80.06 336	eP	P	23 06 23.1	0.0
NCK	Nalchik	80.08 314	i P	P	23 06 24.4	+0.8
HLID	Hailey	80.12 46	P	P	23 06 23.1	-0.9
Q09A	Carvers	80.28 52	IAMS_20	IAMS_20	23 47 29.1	
VAF	Ylistaro	80.31 337	eP	P	23 06 24.8	+0.4
KBZ	Khabaz	80.43 314	eP	P	23 06 26.4	+0.9
KBZ	SNR=65nm,0.9s,baz=109,slow=3.4,SNR=62		LR	LR	23 43 44.2	
KBZ	Khabaz	80.43 314	eP	P	23 06 26.3	+0.9
KIV	Kislovodsk	80.47 314	P	P	23 06 25.6	-0.1
KIV	Kislovodsk	80.47 314	P	P	23 06 25.0	-0.8
KIV	Kislovodsk	80.47 314	iP	P	23 06 26.9	+1.1
KIV	Kislovodsk	80.47 314	eP	P	23 06 26.6	+0.8
KIV	Kislovodsk	80.47 314	eP	P	23 09 30.7	
KIV	Kislovodsk	80.47 314	eP	P	23 11 17.8	
KIV	Kislovodsk	80.47 314	eP	P	23 16 31.6	-0.1
KIV	Kislovodsk	80.47 314	eP	P	23 21 40.1	-2.9
KIV	Kislovodsk	80.47 314	eP	P	23 06 27.5	+0.9
ISA	Isabella, Lake	80.69 55	P	P	23 06 25.4	-1.7
ISA	Isabella, Lake	80.69 55	P	P	23 06 25.4	-1.7
ISA	Isabella, Lake	80.69 55	P	P	23 06 25.4	-1.7
GNI	Garni	80.77 310	P	P	23 06 27.4	-0.2
GNI	Garni	80.77 310	P	P	23 06 27.5	+0.9
SHA1	Shidzhatmaz	80.58 314	i P	P	23 06 27.3	+1.1
UPNV	Upernavik	80.66 6	IAMB	IAMB	23 06 51.8	
ISA	Isabella, Lake	80.69 55	P	P	23 06 25.4	-1.7
ISA	Isabella, Lake	80.69 55	P	P	23 06 25.4	-1.7
GNI	Garni	80.77 310	P	P	23 06 27.4	-0.2
GNI	Garni	80.77 310	P	P	23 06 27.5	+0.9
GNI	Garni	80.77 310	P	P	23 06 26.4	-1.2
GNI	Garni	80.77 310	P	P	23 06 26.4	-1.2
GNI	Garni	80.77 310	P	P	23 06 29.5	+1.9
GNI	Garni	80.77 310	P	P	23 06 28.9	+1.4
GNI	Garni	80.77 310	P	P	23 06 29.3	+1.7
TAOE	Nuku Hiva Isla	80.81 104	eP	P	23 06 22.0	-6.1
TAOE	Nuku Hiva Isla	80.81 104	eS	S	23 06 25.2	-1.1
TAOE	Nuku Hiva Isla	80.81 104	eLR	LR	23 31 34.5	
MOR8	Moi Rana	80.82 342	eP	P	23 06 26.0	-1.1
MOR8	Moi Rana	80.82 342	eP	P	23 06 32.5	
MOR8	Moi Rana	80.82 342	eP	P	23 16 31.0	-3.5
MOR8	Moi Rana	80.82 342	eP	P	23 45 00.8	

JRN	Qarnain Island	80.94 293	P	P	23 06 27.4	-1.1
ERBR	Yeremizino-Bor	81.06 317	eP	P	23 06 26.9	-1.9
ERBR	Yeremizino-Bor	81.06 317	eP	P	23 06 30.5	-2.0
ERBR	Yeremizino-Bor	81.06 317	eP	P	23 06 36.0	
ERBR	Yeremizino-Bor	81.06 317	eP	P	23 16 39.5	+1.8
ERBR	Yeremizino-Bor	81.06 317	eP	P	23 16 48.5	
STOK	Stokkvaagen	81.10 342	eP	P	23 06 28.5	-0.1
STOK	Stokkvaagen	81.10 342	eP	P	23 06 28.6	
STOK	Stokkvaagen	81.10 342	eP	P	23 16 39.1	+1.8
STOK	Stokkvaagen	81.10 342	eP	P	23 46 35.9	
MZR	Muzera	81.21 291	P	P	23 06 29.6	-0.4
MZR	SNR=11		P	P	23 06 29.6	-0.4
MZR	Muzera	81.21 291	i P	P	23 06 30.1	+0.1
LEIR	Leirfjorden	81.24 342	eP	P	23 06 29.1	-0.2
LEIR	Leirfjorden	81.24 342	eP	P	23 06 45.0	
LEIR	Leirfjorden	81.24 342	eP	P	23 16 40.5	-1.8
LEIR	Leirfjorden	81.24 342	eP	P	23 21 55.9	+2.8
LEIR	Leirfjorden	81.24 342	eP	P	23 46 06.6	
ARB	Arbavere	81.27 333	eP	P	23 06 29.3	-0.3
GHWR	GHWR	81.32 292	P	P	23 06 29.3	-1.3
GHWR	GHWR	81.32 292	P	P	23 06 29.3	-1.3
LABN	Labinsk	81.41 315	eP	P	23 06 31.6	+0.9
LABN	Labinsk	81.41 315	eP	P	23 06 35.5	-0.2
LABN	Labinsk	81.41 315	eP	P	23 06 38.4	
MEF	Metsahovi	81.43 334	eP	P	23 06 30.6	+0.2
VSU	Vetsula	81.54 332	eP	P	23 06 30.3	-0.7
R11B	Troy Canyon, C	81.62 52	IAMS_20	IAMS_20	23 40 20.3	
R11B	Troy Canyon, C	81.62 52	P	P	23 06 32.0	-0.2
JMIC	Jan Mayen	81.64 351	LR	LR	23 43 40.1	
KARS	Kars	81.70 311	P	P	23 06 32.8	+0.3
KARS	Kars	81.70 311	P	P	23 06 32.8	+0.3
FFC	Flin Flon	81.72 33	P	P	23 06 31.1	-1.0
FFC	Flin Flon	81.72 33	P	P	23 06 53.5	
FFC	Flin Flon	81.72 33	P	P	23 45 28.7	
FFC	Flin Flon	81.72 33	P	P	23 06 31.1	-1.0
YMR	Madison River	81.83 44	IAMS_20	IAMS_20	23 38 37.3	
SUMG	Summit	81.87 1	P	P	23 06 32.8	-0.3
SUMG	Summit	81.87 1	P	P	23 06 41.1	
SUMG	Summit	81.87 1	P	P	23 06 32.8	-0.3
SUMG	Summit	81.87 1	P	P	23 06 32.8	-0.3
SUMG	Summit	81.87 1	P	P	23 06 33.0	-0.1
SUMG	Summit	81.87 1	P	P	23 06 40.7	
RAF	Rauma	81.93 336	eP	P	23 06 33.3	+0.3
GSC	Goldstone, Bar	82.07 55	IAMS_20	IAMS_20	23 42 57.5	
SHMA	Shuqshemia	82.12 295	P	P	23 06 33.7	-1.0
NUUG	NUUG	82.15 6	P	P	23 06 36.3	+2.3
SPR3	Spring Creek B	82.21 51	IAMS_20	IAMS_20	23 38 35.8	
BGU	Big Grassy Mou	82.23 48	IAMS_20	IAMS_20	23 40 47.1	
SLWR	Sila	82.26 293	P	P	23 06 34.7	-0.8
FLXY	Fox Creek	82.28 45	IAMS_20	IAMS_20	23 38 38.2	
ELN	Elsinore Mount	82.33 56	P	P	23 06 35.1	-0.8
ELN	Elsinore Mount	82.33 56	P	P	23 06 56.3	
TRNA	Turayna	82.38 294	P	P	23 06 35.2	-1.0
TPAW	Teton Pass	82.42 46	IAMS_20	IAMS_20	23 36 24.3	
VSLR	Vesolye	82.40 315	i P	P	23 06 36.3	+0.4
VSLR	Vesolye	82.40 315	i P	P	23 06 36.3	+0.4
SOK	Sochi	82.42 295	P	P	23 06 35.3	-1.0
SOK	Sochi	82.42 295	P	P	23 06 35.5	-1.1
SOC	Soc	82.55 315	eP	P	23 06 36.8	+0.2
SOC	Soc	82.55 315	eP	P	23 09 44.6	
SOC	Soc	82.55 315	eP	P	23 16 56.2	-1.1
SOC	Soc	82.55 315	eP	P	23 22 20.4	+6.6
SOC	Soc	82.55 315	eP	P	23 25 38.4	
LOHW	Long Hollow	82.56 45	P	P	23 06 36.0	-1.1
MITSE	Mitsuba	82.60 333	eP	P	23 06 37.2	+0.8
AHID	Auburn Hatcher	82.64 46	P	P	23 06 36.5	-1.0
SMRA	Abu-Samra	82.70 294	P	P	23 06 37.3	-0.4
DUG	Dugway, Tooele	82.71 49	P	P	23 06 37.0	-0.8
DUG	Dugway, Tooele	82.71 49	P	P	23 07 09.9	
DUG	Dugway, Tooele	82.71 49	P	P	23 06 37.0	-0.8
DUG	Dugway, Tooele	82.71 49	P	P	23 06 37.0	-0.8
DUG	Dugway, Tooele	82.71 49	P	P	23 06 37.0	-0.8
NSS	Namsos	82.73 341	eP	P	23 06 37.6	+0.4
NSS	Namsos	82.73 341	eP	P	23 06 43.6	
NSS	Namsos	82.73 341	eP	P	23 16 55.2	+1.1
NSS	Namsos	82.73 341	eP	P	23 41 52.4	
PSUT	Pine Spring	82.75 51	IAMS_20	IAMS_20	23 38 21.2	
GEVA	Gevass	82.76 309	P	P	23 06 38.3	+0.2
FCC	Fort Churchill	82.84 27	IAMS_20	IAMS_20	23 42 36.0	
RBK	Rabkut	82.85 286	P	P	23 06 38.3	-0.5
RBK	Rabkut	82.85 286	P	P	23 06 38.3	-0.5
HWUT	Hardware Ranch	82.89 47	P	P	23 06 38.2	-0.5
HWUT	Hardware Ranch	82.89 47	P	P	23 06 59.8	
PFO	Pinyon Flats O	83.07 56	P	P	23 06 38.6	-1.1
PFO	Pinyon Flats O	83.07 56	P	P	23 06 57.2	
PFO	Pinyon Flats O	83.07 56	P	P	23 06 38.6	-1.1
PFO	Pinyon Flats O	83.07 56	P	P	23 06 38.6	-1.1
CTU	Camp Tracy	83.19 48	IAMS_20	IAMS_20	23 42 14.7	
V12A	Nelson	83.31 54	IAMS_20	IAMS_20	23 40 57.2	
KBD	Kabod	83.34 299	P	P	23 06 40.8	-0.2
MNK	Minsk	83.36 328	i P	P	23 06 41.2	+0.6
MNK	Minsk	83.36 328	i P	P	23 09 53.0	
MNK	Minsk	83.36 328	i P	P	23 11 47.0	
MNK	Minsk	83.36 328	i P	P	23 17 02.7	+0.4
MNK	Minsk	83.36 328	i P	P	23 22 32.5	+7.4
MNK	Minsk	83.36 328	i P	P	23 26 00.9	
MNK	Minsk	83.36 3				

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TTSI Tana Toraja, LUWI Luwuk, BKB Balikpapan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NCUH Zhongli, NCUH Renai, WUSB Wunro, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, LBMI Labuha, SANI Sanana, etc.

IDC 05 23:50:52.7, 1.4, 23.97N, 124.28E, h0km, mb4.2/3, mbmp4.1/4, ML3.6/1, Error ellipse: s-maj=102.7km s-min=23.1km az=76.0

JMA 05 23:50:54.7, 0.1, 24.1N, 122.18E, 0.5, h65km, MD3.7/18, MV3.9/18, MW Off-High/LUMA

IDC 06 00:14:27.6, 1.1, 0.97S, 127.6E, 0.2, h31km, n12, i1811/13, mb3.6/5, Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NCUH Zhongli, NCUH Renai, WUSB Wunro, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, LBMI Labuha, SANI Sanana, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ESO3 EOS3, ESO2 ESO2, IRIF Irimote-Funau, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NCUH Zhongli, NCUH Renai, WUSB Wunro, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, LBMI Labuha, SANI Sanana, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ESO3 EOS3, ESO2 ESO2, IRIF Irimote-Funau, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NCUH Zhongli, NCUH Renai, WUSB Wunro, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, LBMI Labuha, SANI Sanana, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ETL Fush Village, SX11 Grass Mountain, NACB Ninganchiao, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NCUH Zhongli, NCUH Renai, WUSB Wunro, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, LBMI Labuha, SANI Sanana, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TEYL Yanyan Village, ETLH Xiulin Townshi, NWLT Wulai, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NCUH Zhongli, NCUH Renai, WUSB Wunro, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, LBMI Labuha, SANI Sanana, etc.

RSNC 06 00:50:10.1, 0.0, 7.7N, 176.6W, h-2km, M2.9, mb4.1, ML2.8, Northern Colombia

6d 1h

Table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res, ISC. Includes stations like PAMC Pamplona, Colo, URMCLa Uribe, Meta, AZU Azuero, etc.

RSNC 06 01:08:17.7±0.0, 7°N:1°7'3W±, h146km, 1km, M3.0, mb3.6, mB5.5, ML2.8, Mw(mB)4.9

IDC 06 01:08:17.3±0.0, 7°22'N:74°39'W, h149km, 167km, mbmp3.7/1, ML2.1/1, Error ellipse: s-maj=1189.0km s-min=81.0km az=93.0

ISC 06 01:06:15.7±1.1, 6.88N±0.03, 73°12'W±0.04, h154km±6km, n41, c1944/80, Northern Colombia

Main table listing seismic stations across various regions like Barrichara, Pamplona, Barrancabermej, La Rusia, Ocana, PUERTO BERRIO, Tame, Arauca, San Pablo de B, Zaragoza, Cauca, Norcasia, Chingaza, El Rosal, Santo Domingo, etc.

SNET 06 01:21:56.2±6.2, 12.29°N:86°57'W, h15km±99km, ML3.4

ISC 06 01:21:52.9±1.7, 11.67N±0.09, 86.67W±0.06, h35km±n3, c1930/36, 3C-1D, Near coast of Nicaragua

Table listing seismic stations in the Caribbean region, including COPN Copalpete, SABN Sabanita, USIM UNAN, ENAN Enahret Managua, etc.

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Table listing seismic events: YUSH Yucaran, PACA Pacayal, PACA Pacayal, PECA Pacayal, PECA Tecapa. Includes magnitude and time information.

IDC 06 01:25:07.3±2.4, 5.75S±.147:6E±0.2, h200km±18km, mb3.3/3, mbmp3.9/6, Error ellipse: s-maj=33.8km s-min=21.9km az=90.0

ISC 06 01:25:07.0±1.6, 5.75S±.01:147:6E±0.2, h200km±n6, c19157, mb3.8/3, Eastern New Guinea region

Table listing seismic stations in the Pacific region, including PMG Port Moresby, JAY Jayapura, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, ILAR Eielson Array.

IDC 06 01:26:36.0±0.7, 51°37'N:178°19'W, h0km, mb4.0/27, mbmp4.0/29, ML4.0/2, MS3.3/4, Error ellipse: s-maj=21.0km s-min=13.3km az=172.0

AEIC 06 01:26:42.0±2.2, 51°26'N:0°08'17'W±0.07, h45km±6km, Error ellipse: s-maj=11.2km s-min=6.7km az=179.0

NEIC 06 01:26:43.7±2.2, 51°36'N:0°08'17'W±0.07, h48km±7km, mb4.0/55, ML4.0(AEIC), Error ellipse: s-maj=12.3km s-min=6.7km az=178.0

ISC 06 01:26:42.3±0.6, 51°28'N:0°10'17'W±0.05, h45km±n125, c1920/106, mb4.0/49, Andean/Ol Islands

Table listing seismic stations in the Andean/Ol Islands region, including TASE Tanaga Southea, GALAA Gareloi Lava P, GAEA Gareloi East, etc.

Table listing seismic stations in the Pacific region, including NIKH Nikolski High, MREP Makushin Rep't, MSW Makushin Swite, etc.

Table listing seismic stations in the Pacific region, including N18K Kilae Creek, N18K Old Harbor, OHAK Granite Mount, etc.

Table listing seismic stations in the Pacific region, including N19K Bonanza Creek, N19K Innoko River, L19K White Mountain, etc.

Table listing seismic stations in the Pacific region, including I23K Minto, Yukon-K, N25K Chitina, Valde, etc.

Table listing seismic stations in the Pacific region, including H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, etc.

Table listing seismic stations in the Pacific region, including B08A Colville Reser, NEW Resolute Bay, KRSR Korea Array, etc.

Table listing seismic stations in the Pacific region, including WVOR Wild Horse Val, LYMT Lyon Mountain, HLID Halley, etc.

Table listing seismic stations in the Pacific region, including BOZ Bozeman (W), NVAR Mina Array Bea, NRK Norisk, etc.

Table listing seismic stations in the Pacific region, including DUG Dugway, PDS1 Pinedale Ar, PDAR Pinedale Array, etc.

Table listing seismic stations in the Pacific region, including SONM Songino Array, HHC Hu-ho-hao-te, HHC Pinedale Ar, etc.

Table listing seismic stations in the Pacific region, including ULM Lac du Bonnet, SPITS Spitsbergen Ar, SDCO Great Sand Dun, etc.

Table listing seismic stations in the Pacific region, including ZALV Zalesovo Beam, ZALV Pinedale Ar, GTA Gaotai, etc.

Table listing seismic stations in the Pacific region, including ARCES ARCESS Array B, TXAR Lajitas Array, KURBB Kurchatov Ar, etc.

Table listing seismic stations in the Pacific region, including MK31 Makanchi Array, MKAR Makanchi Array, MKAR Kurchatov Ar, etc.

Table listing seismic stations in the Pacific region, including BVAR Borovoye Array, BVAR Kurchatov Ar, PZH PanZhihua, etc.

Table listing seismic stations in the Pacific region, including FINES FINESS Array B, NB2 NORSAR Subarra, NOA NORSAR Array B, etc.

Table listing seismic stations in the Pacific region, including HFS Hagfors, KKR Karatay Array, KKR Karatay Array, etc.

Table listing seismic stations in the Pacific region, including BELG Belogomye, EKA Eskdamuir Ar, AKASC Malin Ar, etc.

Table listing seismic stations in the Pacific region, including KBZ Khabaz, GERES GERE Array B, WRA Warramunga Arr, etc.

Table listing seismic stations in the Pacific region, including FITZ Fitzroy Crossi, BRTR Keskin Array B, ASAR Alice Springs, etc.

Table listing seismic stations in the Pacific region, including ESDC Sonseca Array, TORD Torodi Ar, H03N1 Juan Fernandez, etc.

Table listing seismic stations in the Pacific region, including H03N2 Juan Fernandez, H03N3 Juan Fernandez, BOSA Boshof, etc.

Table listing seismic stations in the Pacific region, including BAKI Biak, SRPI Serui, Papua, SRPI Serui, Papua, etc.

Table listing seismic stations in the Pacific region, including RKPI Ransiki, Papua, RKPI Ransiki, Papua, etc.

Table listing seismic stations in the Pacific region, including IDC 06 01:29:50.8±0.8, 1°60S:135°63E, h0km, mb4.0/9, etc.

Table listing seismic stations in the Pacific region, including IDC 06 01:29:54.1±0.5, 1°61S:005:135°67E±0.05, h21km±n54, etc.

Table listing seismic stations in the Pacific region, including Code, Station Name, Az, El, P, S, Sn, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KMP1 Kaimana, Papua, SMPI Sarmi, FAKI Fak Fak, etc.

IDC 06 02:01:26.8.2.4, 37.59N:70.51E, h0km, mb3.8/8, mbmp3.7/14, ML3.3/6, MS3.1/2, Error ellipse: s-maj=40.3km s-min=14.6km az=152.0

NNC 06 02:01:32.6.3.9, 38.01N:70.10E, h0km, mb4.3, mpv4.1, Error ellipse: s-maj=31.6km s-min=22.8km az=164.0

ISC 06 02:01:34.9.1.5, 38.3N:01.69.83E:0.08, h10km, n30, az=250/30, mb3.6/7, 4C-5D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include BRLS Borolday, DZA Taraz, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include DGS Degeres, MTBS Matul, KOTS Kotyubulak, etc.

IDC 06 02:03:08.0.1.0, 51.36N:178.33W, h0km, mb3.6/15, mbmp3.6/15, MS3.2/2, Error ellipse: s-maj=30.4km s-min=21.6km az=1

AEIC 06 02:03:14.9.5.1, 4N:01.178:21W:0.08, h73km, 6km, Error ellipse: s-maj=14.9km s-min=7.3km az=174.0

NEIC 06 02:03:15.1.9.5, 17N:0.07:178:16W:0.07, h35km, 2km, mb3.9/15, ML3.9(AEIC), Error ellipse: s-maj=11.3km s-min=6.0km az=194.0

ISC 06 02:03:13.0.0.7, 51.11N:0.09:178:27W:0.05, h35km, n63, az=157/60, mb3.7/19, Andreonof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include GAKI Gareloi-Kavalag, GALAA Gareloi Lava, etc.

L18K Granite Mountain 16.17 38 P Iamb Iamb 02 07 00.3 +0.1

L18K Granite Mountain 16.17 38 P Iamb Iamb 02 07 14.4

ILSW liamna Southw 16.67 48 P Iamb Iamb 02 07 05.3 +1.5

SKT Skwentna 18.17 43 P Iamb Iamb 02 07 23.7 +1.4

C18K Utukok River 19.44 19 P P 02 07 37.4 +1.2

RND Reindeer 19.89 41 P Iamb Iamb 02 07 41.0 -0.2

B21K Ikipukuk River 21.67 22 P P 02 08 01.2 +1.1

MENT Mentasta 21.91 44 P Iamb Iamb 02 08 03.8 +1.0

D23K Nanushuk River 22.24 26 P Iamb Iamb 02 08 05.7 -0.7

INK Inuvik 27.49 35 LR 02 19 57.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include O20A White River Cr, TXAR Lajitas Array, etc.

GUC 06 02:09:46.8.0.6, 27.49S:69.38W, h121km, 5km, ML3.3

SJA 06 02:09:46.2.0.5, 27.56S:69.14W, h75km, 5km, ML3.5

MW3.6 ISC 06 02:09:45.3.1.6, 27.48S:0.04:69:34W:0.04, h134km, 15km, n20, az=167/38, 3C, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include AC06 Mina Casimiro, VCA Vinchina, etc.

AC04 Lanos de Chal 1.70 245 eP Sn 02 10 16.2 +0.4

AC01 Pan de Azucar 1.74 319 iP eS Sn 02 10 17.2 +0.8

ACO1 Las Campanas 1.94 218 eP Sn 02 10 19.4 +0.4

AGUA GUANDACOL 2.13 160 eP Sn 02 10 22.5 +1.5

GO02 Mina Guanaco 2.32 354 iP P Sn 02 10 25.0 +1.2

AROD Rodeo 2.68 183 eS Sn 02 11 03.8 +1.1

ACLC CERRO LA CRUZ 2.85 133 eP Sn 02 10 30.9 +0.6

GO04 Tololo Observa 2.97 205 eP Sn 02 10 32.1 +0.6

ACCO Cerro Coronel 3.10 176 eP Sn 02 10 35.5 +1.9

CYA Choya 3.27 108 eP Sn 02 11 01.1 -3.3

CYA Choya 3.27 108 eP Sn 02 11 01.1 -3.3

CO03 El Pedregal 3.55 199 eP Sn 02 11 03.9 +0.7

AVFE Valle Fertil 3.57 153 eP Sn 02 11 04.3 +0.8

CO06 Fuy Jorge 3.76 212 eP Sn 02 10 43.2 +1.2

APLL PRUNTA DE LOS L 3.80 140 eP Sn 02 10 42.9 +0.3

RTLL Cerro Villicun 3.91 169 eS Sn 02 11 25.0 -1.9

NEIC 06 02:18:32.0.0.6, 38.036N:10.005S:98.06W:0.04, h5km, 1km, mb_Lg2.4/18, ML2.6/12, Error ellipse: s-maj=4.9km s-min=2.9km az=86.0, Kansas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KAN12 Harper Ne Stat, KAN08 Anthony Ne Sta, etc.

IDC 06 02:54:07.3±1.8,38°91N±15.77E,h81km,30km,mb3.2/7,mbtmp3.5/11,Error ellipse: s-maj=28.7km s-min=20.9km az=41.0
 ROM 06 02:54:08.5±0.1,38°710N±0.005:15:691E±0°009,h104km,1km,ML3.6/122,Error ellipse: s-maj=0.7km s-min=0.6km az=286.0
 BEO 06 02:54:09.6±0.6,39°16N±15.77E,h0km,ML3.7/7
 ISC 06 02:54:07.8±0.8,38.75N±0.04:15:76E±0.04,h110km,6km,n126,σ1947/151,mb3.5/6,15C-14D,Sicily

Code	Station Name	Phase ID	ISC	h	s	Res
			Op	ISC	h	s
			P	h	s	Res
			S	h	s	Res
			AML	h	s	Res
IST3	Stromboli F	0.41 277	P	02 54 24.3	+0.1	
IST3			S	02 54 35.4	-1.1	
IST3	comp=N,9415µm,0.5s		AML			
IST3	comp=N,11350µm,0.2s		AML			
SICLA	Scilla	0.49 184	P	02 54 24.6	-0.1	
SICLA			S	02 54 36.0	-1.2	
SICLA	comp=N,5995µm,0.3s		AML			
SICLA	comp=N,5995µm,1.7s		AML			
SICLA	comp=N,5550µm,0.3s		AML			
GRI	Girifalco	0.52 82	P	02 54 26.0	+1.1	
GRI			S	02 54 38.0	+0.2	
GRI	comp=N,4210µm,1.3s		AML			
GRI	comp=N,4115µm,1.6s		AML			
PLAC	Placanca	0.61 119	P	02 54 26.5	+0.9	
PLAC			S	02 54 38.9	0.0	
PLAC	comp=N,2280µm,0.3s		AML			
PLAC	comp=N,2370µm,0.3s		AML			
PLAC	comp=N,3580µm,0.3s		AML			
PLAC	comp=N,3525µm,0.7s		AML			
CAR1	CAROLEI	0.61 35	P	02 54 25.4	+0.8	
CAR1			S	02 54 39.1	+0.1	
CAR1	comp=N,4015µm,0.7s		AML			
CAR1	comp=N,5215µm,0.4s		AML			
CAR1	comp=N,4015µm,0.7s		AML			
CAR1	comp=N,4410µm,0.8s		AML			
CAR1	comp=N,4925µm,0.7s		AML			
CAR1	comp=N,4925µm,1.3s		AML			
CAR1	comp=N,4015µm,1.3s		AML			
MILZ	Milazzo	0.63 221	P	02 54 25.6	-0.1	
MILZ			S	02 54 37.3	-1.7	
MILZ	comp=N,4260µm,0.7s		AML			
MILZ	comp=N,3330µm,0.7s		AML			
MILZ	comp=N,4260µm,1.3s		AML			
MILZ	comp=N,3330µm,1.3s		AML			
LLI	Lipari	0.70 245	P	02 54 26.1	-0.1	
LLI			S	02 54 38.7	-1.4	
LLI	comp=N,17500µm,0.6s		AML			
LLI	comp=N,17500µm,1.4s		AML			
LLI	comp=N,20800µm,0.4s		AML			
SPS2	Spezzano della	0.71 40	P	02 54 27.4	+1.1	
SPS2			S	02 54 40.6	+0.3	
SPS2	comp=N,2360µm,1.5s		AML			
SPS2	comp=N,1225µm,0.8s		AML			
SPS2	comp=N,2360µm,0.5s		AML			
VPL	Vulcano Piano	0.71 239	P	02 54 26.4	0.0	
VPL	comp=N,3575µm,1.0s		AML			
VPL	comp=N,3575µm,1.0s		AML			
VPL	comp=N,3710µm,0.7s		AML			
IVGP	Vulcano Grotta	0.72 241	P	02 54 26.1	-0.2	
IVGP			S	02 54 39.0	-1.3	
MTTG	Motta San Giov	0.75 184	P	02 54 27.2	+0.5	
MTTG			S	02 54 40.0	-0.8	
MTTG	comp=N,3435µm,0.5s		AML			
NOV	Novara	0.87 214	P	02 54 27.9	+0.1	
NOV	comp=N,2770µm,0.5s		AML			
NOV	comp=N,10610µm,0.8s		AML			
NOV	comp=N,9595µm,0.3s		AML			
AIO	Antillo	0.88 208	P	02 54 28.2	+0.3	
AIO			S	02 54 41.6	-1.5	
AIO	comp=N,4645µm,0.5s		AML			
AIO	comp=N,3855µm,1.3s		AML			
AIO	comp=N,4645µm,1.5s		AML			
TIP	Timpagrande	0.89 61	P	02 54 29.7	+1.7	
TIP	comp=N,782µm,0.7s		AML			
TIP	comp=N,646µm,0.6s		AML			
TIP	comp=N,824µm,0.3s		AML			
TIP	comp=N,640µm,0.7s		AML			
IFIL	Filicudi I Eol	0.95 259	P	02 54 28.3	-0.3	
IFIL	comp=N,2600µm,1.0s		AML			
IFIL	comp=N,1155µm,0.9s		AML			
IFIL	comp=N,2600µm,1.0s		AML			
MUCR	Mucra	0.99 225	P	02 54 29.0	-0.1	
MUCR			S	02 54 43.2	-1.9	
MUCR	comp=N,2990µm,0.3s		AML			
MUCR	comp=N,1735µm,0.3s		AML			
IACL	San Nicola del Alicudi	1.09 60	P	02 54 31.4	+1.4	
IACL			S	02 54 30.1	-0.2	
IACL	comp=N,1225µm,0.6s		AML			
IACL	comp=N,1395µm,0.6s		AML			
EMSG	Monte Spagnolo	1.13 215	P	02 54 30.4	-0.1	
EMSG	comp=N,3845µm,0.3s		AML			
EMSG	comp=N,4450µm,0.3s		AML			
MMN	Mormanno	1.15 9	P	02 54 31.6	+1.0	
MMN	comp=N,950µm,0.2s		AML			
MMN	comp=N,1430µm,0.2s		AML			
EPZF	Pizzo Felice	1.17 218	P	02 54 30.4	-0.5	
EPZF	comp=N,3650µm,1.1s		AML			
EPZF	comp=N,2665µm,0.6s		AML			
EPZF	comp=N,3650µm,0.9s		AML			
SALB	San Lorenzo Be	1.21 22	P	02 54 33.0	+1.6	
ESLN	Serra La Nave	1.22 211	P	02 54 31.4	-0.3	
CUC	Castrocuoco	1.24 2	P	02 54 32.5	+0.8	
CUC			S	02 54 50.4	+0.6	
CUC	comp=N,472µm,0.5s		AML			

CUC	comp=N,434µm,1.4s		AML			
CUC	comp=N,362µm,1.4s		AML			
CUC	comp=N,362µm,0.6s		AML			
CUC	comp=N,472µm,1.5s		AML			
CUC	comp=N,434µm,0.6s		AML			
CUC	comp=N,386µm,0.3s		AML			
ESML	S. M. di Licod	1.33 212	P	02 54 32.8	+0.1	
ESML	comp=N,934µm,0.8s		AML			
ESML	comp=N,844µm,0.6s		AML			
ESML	comp=N,934µm,1.2s		AML			
BULG	Bulgheria - Ca	1.36 348	P	02 54 34.2	+1.2	
BULG	comp=N,312µm,1.4s		AML			
BULG	comp=N,461µm,0.6s		AML			
BULG	comp=N,448µm,0.3s		AML			
BULG	comp=N,312µm,1.4s		AML			
BULG	comp=N,322µm,1.4s		AML			
BULG	comp=N,312µm,0.6s		AML			
BULG	comp=N,322µm,0.6s		AML			
BULG	comp=N,448µm,1.7s		AML			
MGR	Morigerati	1.39 354	P	02 54 34.6	+1.2	
MGR	comp=N,268µm,0.5s		AML			
MGR	comp=N,3530µm,0.9s		AML			
MGR	comp=N,239µm,0.8s		AML			
MGR	comp=N,3930µm,0.9s		AML			
GALF	Gagliano Caste	1.40 222	P	02 54 33.6	+0.1	
GALF	comp=N,1091µm,0.6s		AML			
GALF	comp=N,930µm,0.6s		AML			
ORI	Oriolo Calabro	1.42 22	P	02 54 35.3	+1.7	
ORI	comp=N,868µm,0.4s		AML			
ORI	comp=N,962µm,0.9s		AML			
ORI	comp=N,868µm,1.6s		AML			
SIRI	Monte Sirino -	1.43 3	P	02 54 35.0	+1.0	
SIRI	comp=N,380µm,1.0s		AML			
SIRI	comp=N,390µm,1.0s		AML			
SIRI	comp=N,353µm,0.3s		AML			
SIRI	comp=N,380µm,1.0s		AML			
SIRI	comp=N,336µm,0.3s		AML			
PLLN	Pollina	1.48 240	P	02 54 34.6	+0.2	
CAGR	Agira	1.50 222	P	02 54 34.9	+0.2	
HAGA	Augusta	1.54 198	P	02 54 34.2	-0.9	
HAGA	comp=N,2125µm,0.9s		AML			
HAGA	comp=N,1760µm,1.6s		AML			
HAGA	comp=N,1760µm,0.4s		AML			
AGST	Augusta-Monte	1.55 196	P	02 54 34.3	-1.0	
AGST	comp=N,3750µm,0.4s		AML			
AGST	comp=N,3115µm,0.3s		AML			
CSLB	Castelbuono	1.56 239	P	02 54 35.4	0.0	
CSLB	comp=N,88µm,1.2s		AML			
CSLB	comp=N,88µm,0.8s		AML			
CSLB	comp=N,84µm,1.5s		AML			
HLNI	Lentini	1.57 207	P	02 54 34.7	-0.7	
HLNI	comp=N,1040µm,0.4s		AML			
HLNI	comp=N,1249µm,1.3s		AML			
HLNI	comp=N,1249µm,0.7s		AML			
MCEL	Monticello	1.57 1	P	02 54 37.1	+1.5	
MCEL	comp=N,17500µm,1.6s		AML			
MCEL	comp=N,240µm,1.3s		AML			
MCEL	comp=N,17500µm,0.4s		AML			
MCEL	comp=N,240µm,0.7s		AML			
PETRA	Petralia Sopra	1.58 235	P	02 54 35.4	-0.5	
VGG3	Viggianno (Prot	1.59 4	P	02 54 37.8	+2.0	
CMRP	Campanora	1.60 347	P	02 54 37.1	+1.1	
SLCN	Sala Consilina	1.64 357	P	02 54 37.3	+0.8	
VAE	Valguarnera	1.66 220	P	02 54 36.6	0.0	
VAE	comp=N,12nm,0.6s,baz=173,slow=14,SNR=14		S	02 55 02.2	+3.7	
VAE	comp=N,20nm,0.3s,baz=5,slow=19,SNR=6.8		S	02 54 37.6	+1.0	
VAE	Valguarnera	1.66 220	P	02 54 38.4	+1.6	
MNR3	Marsico Nuovo	1.67 359	P	02 54 38.4	+1.6	
SSY	Soriano	1.68 199	P	02 54 36.0	-0.9	
SSY	comp=N,3385µm,1.5s		AML			
SSY	comp=N,8000µm,0.2s		AML			
SSY	comp=N,3385µm,0.5s		AML			
RESU	Resuttano	1.73 231	P	02 54 37.8	+0.2	
RESU	comp=N,169µm,0.9s		AML			
RESU	comp=N,194µm,0.6s		AML			
CDRU	Civita di Ruta	1.77 349	P	02 54 39.5	+1.5	
CDRU	comp=N,132µm,0.9s		AML			
CDRU	comp=N,88µm,0.6s		AML			
PGN3	Pignola, Italy	1.82 1	P	02 54 40.3	+1.7	
ALJA	Alia	1.87 238	P	02 54 39.4	+0.2	
ALJA	comp=N,193µm,1.0s		AML			
ALJA	comp=N,240µm,1.					

6d 3h

2019 JAN

Table with columns: ID, Name, Date, Time, Location, and other details. Includes entries like F19K Shalercukik Mo, F19K Shaleckik Mo, H24K Noodor Dome, etc.

Table with columns: ID, Name, Date, Time, Location, and other details. Includes entries like L19K White Mountain, L19K White Mountain, L19K White Mountain, etc.

Table with columns: ID, Name, Date, Time, Location, and other details. Includes entries like F25K, H16K Eilm, H16K Eilm, H16K Eilm, etc.

6d 3h

Table of station data for 6d 3h, including station names like LESA, WATA, WTTA, and various codes and times.

2019 JAN

Main table of station data for 2019 JAN, including station names like PPT, PPT2, PPT2, and various codes and times.

306

Table of station data for 306, including station names like NNSP, DR5, MOS, and various codes and times.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

SJA 06 04:02:37.3, 0.6, 24.15S, 66.97W, h218km, 6km, ML3.1, MW3.5

GUC 06 04:02:39.4, 0.5, 24.08S, 67.02W, h194km, 6km, ML3.5

ISC 06 04:02:36.3, 2.0, 24.16S, 66.98W, 0.05, h225km, 17km, n22, c199S/38, 2C, Salta Province

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in Salta Province.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Ryukyu Islands.

JMA 06 04:05:53.2, 0.2, 24.22N, 123.7E, 0.6, h19km, 1km, MV1.7/8, NEAR ISHIGAKIJIMA ISLAND, Southwestern

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in Taiwan.

TAP 06 04:06:17.3, 24.81N, 121.88E, h17km, ML1.2, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in Greece-Albania border region.

ATH 06 04:30:05.1, 40.48N, 20.43E, h11km, 2km, ML1.8/4, Error ellipse: s-maj=2.9km s-min=1.1km az=68.0

TIR 06 04:30:05.5, 40.38N, 20.52E, h17km, 2km, Md2.1/3, Mt1.7/5, Greece-Albania border region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Aegean region.

SRN JAN Janina 0.75 160 Pn 04 30 20.8 -0.5

KPRO Kiproiro 0.77 122 S S 04 30 21.1 -0.4

KPRO Kiproiro 0.43 30 S S 04 30 30 +1.3

FNA Florina 0.78 57 Pp 04 30 20.1 -0.5

FNA Florina 0.78 57 Pp 04 30 21.1 +0.1

VLO Vlora 0.79 278 Pp 04 30 23.6 +1.8

VLO Vlora 0.79 278 Pp 04 30 23.9 +2.7

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Aegean region.

KRNET 06 04:38:02.5, 0.1, 39.87N, 73.11E, h17km, mb2.8

SOME 06 04:38:13.8, 40.37N, 73.07E, h10km

NINC 06 04:38:13.8, 40.42N, 73.01E, h0km, mb3.5, mpv3.2

ISC 06 04:38:02.0, 1.2, 39.90N, 73.09E, 0.03, h2km, 10km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Aegean region.

MRKS 17nm, 0.2s 2.85 2 eP Pg 04 38 59.0 +2.4

MRKS 17nm, 0.4s 2.85 2 eP Pg 04 38 52.4 -1.0

AAK Ala-Archa 2.93 21f eP Pn 04 38 51.5 +1.7

KBK Karagaybulak 3.09 26f Pp Pn 04 38 53.6 +1.7

IUG Iuzhnay 3.23 315 Pg Pg 04 39 03.0 -0.5

CHGR Chuyangaron 3.29 249f Pp Pn 04 38 56.3 +1.6

CHMS Chumysh 3.34 21f Pp Pn 04 38 56.9 +1.7

ULHL Ulahol 3.34 44f Pp Pn 04 38 56.9 +1.5

BOOM Booms koye usch 3.37 39f Pp Pn 04 39 36.8 +1.0

OSPO Ospanovka 3.53 17f Pp Pn 04 38 59.7 +1.9

TKM2 Tokmak 2 3.56 31f Pp Pg 04 39 11.5 +3.3

TKM2 Tokmak 2 3.56 31f Pp Pn 04 39 00.2 +1.8

KK31 Karatay Arslan 3.74 330f Pp Pn 04 39 12.2 -1.4

DGS Degeres 3.90 30 Pp Pg 04 39 18.0 +1.3

DGS Degeres 3.90 30 eP Pg 04 39 18.1 +1.4

BRLS Borolday 3.97 323 Pp Pg 04 39 16.3 -1.8

MTBS Maitube 4.09 37 Pp Pg 04 39 21.2 +1.0

TNSS Tian-Shan 4.27 41 Pp Pg 04 39 25.2 +1.4

TNSS Tian-Shan 4.27 41 eP Pg 04 39 25.2 +1.4

TRN 06 04:47:17.6, 16.71N, 60.69W, h22km, MD3.5, North-east of Guadeloupe, Leeward Islands

MOS 06 04:48:06.9, 0.9, 28.52N, 51.62E, h11km, mb4.9/43, Error ellipse: s-maj=5.3km s-min=3.5km az=99.7

BUI 06 04:48:08.0, 28.60N, 51.60E, h10km, mb5.0/12, mb4.6/48, Ms4.3/8, Ms7.4/12

TEH 06 04:48:08.9, 28.60N, 51.59E, h15km, 16km

IDC 06 04:48:08.9, 3.1, 28.54N, 51.63E, h13km, 18km, mb4.6/37, mbmp4.6/45, ML4.2/8, MS3.8/40, Error ellipse: s-maj=12.9km s-min=10.1km az=4.0

6d 4h

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like NR1K, NR1K, NR1K, etc.

2019 JAN

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like BILL, KAPI, PETK, etc.

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Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like G23K, H17K, F28M, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like N19K Bonanza Creek, WRGLY Wrigley, and various other seismic stations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WBSI Waikabubak, WBSI Plampang, and various other seismic stations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HUNS Huntsbury, HUNS Menlo Terrace, and various other seismic stations.

Summary of seismic event data including coordinates, magnitudes, and station identifiers. Includes text like 'IDC 06 05:01:44.3:2.2, 221.15N:148.17E, h0km, mbtmp3.3/3, ML3.5/3, Error ellipse: s-maj=37.0km s-min=23.9km az=52.0, Queensland'.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like COEG Centro de Oper, TECA Tecapa, LALI Alcaldia de L, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MK31, MKAR Makanchi Array, MKAR Makanchi Array, etc.

IDC 06 07:12:25.3.9.2.35.21N:71.03E, h0km, mb3.7/4, mbmp3.6/7, ML2.9/3, MS3.2/1, Error ellipse: s-maj=160.1km s-min=37.3km az=155.0

NNC 06 07:12:51.2.2.1.36.75N:70.98E, h137km, mb3.5, mpv4.3, Error ellipse: s-maj=18.6km s-min=14.6km az=176.0

ISC 06 07:12:52.5.2.3.36.8N:02.71.0E:0.1, h150km, m20, c0570/21, mb3.6/3, 2C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayushu, EKS2 Erkin-Say, KK31 Karatay Array, etc.

IDC 06 07:15:20.2.0.6.13.47N:146.39E, h0km, mb4.2/16, mbmp4.2/16, MS3.5/3, Error ellipse: s-maj=18.2km s-min=15.0km az=86.0

NEIC 06 07:15:22.3.1.1.13.4N:01.146.43E:0.09, h10km, 1km, mb4.5/34, Error ellipse: s-maj=18.8km s-min=13.8km az=192.0

ISC 06 07:15:23.9.0.5.13.39N:008.146.44E:0.07, h26km, m58, c0575/58, mb4.4/34, MS3.7/3, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, GUMO Guam, GUMO Guam, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MAKZ Makanchi, etc.

MOS 06 07:25:40.9.0.8.51.35N:178.14W, h35km, mb5.2/113, Error ellipse: s-maj=14.2km s-min=5.9km az=14.3

NEIC 06 07:25:40.7.0.5.51.26N:107.178.14W:0.06, h35km, 1km, mb5.1/74, Error ellipse: s-maj=12.5km s-min=6.3km az=139.0

BUI 06 07:25:41.0.51.44N:178.63W, h44km, mB5.1/22, mb5.1/70, Ms4.6/28, Ms7.4/4/31

AEIC 06 07:25:41.5.1.3.51.25N:0.08:178.16W:0.07, h47km, 5km, Error ellipse: s-maj=11.8km s-min=6.0km az=180.0

GCMT 06 07:25:41.7.0.4.51.07N:0.02:178.26W:0.04, h35km, 1km, MW5.0/60, Moment Tensor Solution, s29.c35; s60.c79; Duration: 0 Moment tensor: Scale 10^19N; Mr3.0E+23; Mw=3.12E+14; Mw0.0E+14; Mw0.90E+12; Mw0.60E+12; Mw1.04E+15; Best double couple: M3.45700:1015; NP1:~300.00000; s42.00000; ~1.19.00000; NP2: ~9.830000; s54.00000; ~1.66.00000; Principal axes: T 3.5740, P1g70.0000; Azm297.0000; P -3.3400, N1g6.0000; Azm19.0000; Azm97.0000; P -3.3400, N1g6.0000; Azm19.0000; Azm97.0000; P -3.3400, N1g6.0000; nsta2 refers to nsta1 surfaces, cutoff=40s. nsta2 refers to nsta1 surfaces, cutoff=50s. Triangular moment-rate function

IDC 06 07:25:42.4.1.8.51.47N:178.21W, h47km, 15km, mb4.5/30, mbmp4.7/34, MLS.5/2, MS4.0/48, Error ellipse: s-maj=16.6km s-min=9.5km az=168.0

ISC 06 07:25:41.5.0.5.51.19N:0.06:178.18W:0.03, h46km, 3km, h45c-42D, P-P, n1052, ~1806/343, mb5.0/351, MS4.1/62, h55-42D, Andreanof Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TASE Tanigaro Southa, GALAA Gareloi Lava, CAEA Gareloi East, GANO Gareloi North, etc.

NNC 06 07:10:38.6.0.5.49.99N:78.65E, h0km, mb3.0, mpv2.5, Error ellipse: s-maj=12.8km s-min=2.3km az=78.0, Suspected Mining explosion.

IDC 06 07:10:40.5.1.0.50.07N:78.79E, h0km, mbmp2.4/2, ML1.9/2, Error ellipse: s-maj=11.5km s-min=6.1km az=62.0

ISC 06 07:10:40.2.1.1.50.02N:0.06:78.7E:0.1, h0km, n16, c0573/28, 16C-7D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KUR07 Kurchatov Arra, KUR07 Kurchatov Arra, KUR06 Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, SBUM Sibou, FITZ Fitzroy Cross, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CLCO Concord Point, CLCO Concord Point, NIKH Nikolski High, etc.

O14K	Tigyuakuiwet M	12.56	43	P	Pn	07 28 40.4	+3.1
CHGN	Chignik	12.75	59	P	Pn	07 28 39.0	-0.9
CHGN	Chignik	12.75	59	P	Pn	07 28 39.4	-0.5
N14K	Kuskokwak Cree	12.76	40	P	Pn	07 28 43.1	+3.1
K13K	Kusiyak Mount	13.06	29	P	Pn	07 28 40.9	-3.2
GAMB	Gambell	13.08	13	P	Pn	07 28 46.8	+2.4
O15K	Ungalikthiuk R	13.15	45	P	Pn	07 28 48.5	+3.1
M14K	Bethe	13.16	37	P	Pn	07 28 46.4	+0.9
L14K	Kuka Creek	13.29	34	P	Pn	07 28 50.7	+3.5
N15K	Kwethluk River	13.56	41	P	Pn	07 28 54.8	+3.8
R16K	Pilot Point	13.57	54	P	Pn	07 28 55.0	+4.0
M15K	Kasigliuk River	13.62	39	P	Pn	07 28 54.7	+3.0
P16K	Nushagak River	13.93	48	P	Pn	07 28 58.8	+2.9
L15K	Ungalak Mounta	13.94	35	P	Pn	07 28 58.5	+2.4
J14K	Nanvanak Lak	14.02	29	P	Pn	07 28 59.7	+2.5
O16K	Kokwok River B	14.13	46	P	Pn	07 29 01.6	+2.9
CHIR	Chirikof Island	14.18	62	Pn	Pn	07 28 56.4	-2.9
CHIR	Chirikof Island	14.18	62	P	Pn	07 29 00.7	+1.3
N16K	Nishlik Lake	14.28	42	P	P	07 29 04.9	-2.0
K15K	Wolf Creek Mou	14.34	33	P	P	07 29 04.6	-2.9
Q16K	King Salmon	14.42	50	P	Pn	07 29 04.6	+2.1
M16K	Timber Creek	14.50	40	P	Pn	07 29 05.7	+2.1
Q17K	Contact Creek	14.65	52	P	Pn	07 29 08.1	+2.3
O17K	Kolliganek Bris	14.66	46	P	Pn	07 29 08.4	+2.6
L16K	Owhat River	14.70	37	P	Pn	07 29 08.9	-2.6
P17K	Kvichak River	14.72	49	P	Pn	07 29 08.7	+2.2
ACHA	Angle Creek He	14.91	53	Pn	Pn	07 29 08.4	-0.7
PEA0B	Petrovlovsk	14.92	287	Pn	Pn	07 29 07.9	-1.2
PEA0B	Petrovlovsk	14.92	287	Pn	Pn	07 29 10.6	+1.4
PETK	Petrovlovsk	14.92	287	Pn	Pn	07 29 07.6	-1.6
PETK	Petrovlovsk	14.92	287	Pn	Pn	07 29 09.8	+0.6
	1.9nm,0.6s,baz=89,slow=16,SNR=12				LR	07 35 58.2	
N17K	Nushagak Hills	14.98	43	P	Pn	07 29 12.6	-2.1
N17K	Nushagak Hills	14.98	43	P	Pn	07 29 12.0	+2.1
ANM	Nome	14.99	22	P	Pn	07 29 11.4	+1.3
SII	Sitkinak Island	15.10	60	P	Pn	07 29 13.0	+1.5
R18K	Karluk	15.18	56	P	Pn	07 29 12.1	-0.4
Q18K	Katmai Hardscr	15.21	52	P	Pn	07 29 13.0	-0.1
M17K	Holitna River	15.32	40	Iamb	Iamb	07 29 13.8	-0.6
M17K	Holitna River	15.32	40	P	P	07 29 18.1	-0.4
J16K	Anvik River	15.34	31	Pn	Pn	07 29 12.4	-2.2
J16K	Anvik River	15.34	31	P	P	07 29 16.7	-1.9
TNA	Tin City	15.35	16	Pn	Pn	07 29 14.1	-0.6
TNA	Tin City	15.35	16	P	Pn	07 29 15.1	+0.4
P18K	Big Mountain,	15.37	49	Pn	Pn	07 29 14.1	-1.0
P18K	Big Mountain,	15.37	49	P	Pn	07 29 17.5	-1.5
L17K	Donlin	15.40	37	P	P	07 29 18.8	-0.5
O18K	Koktuh Hills	15.56	47	P	P	07 29 18.1	+0.6
O18K	Koktuh Hills	15.56	47	P	P	07 29 20.6	-0.6
F14K	Arctic Creek	15.57	19	P	P	07 29 20.2	-1.0
N18K	Kilae Creek	15.61	44	P	Pn	07 29 18.4	+0.2
N18K	Kilae Creek	15.61	44	P	Pn	07 29 21.4	-0.3
G15K	Niukluk	15.67	23	P	P	07 29 22.5	+0.3
OHAK	Old Harbor	15.71	58	Pn	Iamb	07 29 15.6	-3.8
OHAK	Old Harbor	15.71	58	P	Iamb	07 29 26.3	
OHAK	Old Harbor	15.71	58	P	P	07 29 20.5	+1.1
I17K	Unalakleet	15.73	29	P	P	07 29 23.3	-0.7
H17K	Iditarod	15.75	35	P	P	07 29 23.1	-0.1
H16K	Elim	15.85	26	P	P	07 29 23.5	-0.7
J17K	VABM Dome	15.92	32	P	P	07 29 24.5	-0.5
Q19K	Cape Douglas,	15.98	51	Iamb	Iamb	07 29 20.1	-2.8
Q19K	Cape Douglas,	15.98	51	P	P	07 29 25.4	-0.4
M18K	Stony River	16.03	41	P	P	07 29 25.8	-0.5
L18K	Granite Mounta	16.07	38	P	Pn	07 29 24.1	+0.1
L18K	Granite Mounta	16.07	38	P	Pn	07 29 26.1	-0.6
O19K	Port Alsworth	16.11	47	Pn	Pn	07 29 24.6	+0.2
O19K	Port Alsworth	16.11	47	P	Pn	07 29 27.4	+0.3
F15K	North Star Dit	16.13	20	P	P	07 29 27.5	+0.1
KDAK	Kodiak Island	16.20	56	Pn	Iamb	07 29 22.3	-3.4
KDAK	Kodiak Island	16.20	56	Pn	Iamb	07 29 32.5	
KDAK	Kodiak Island	16.20	56	Pn	Iamb	07 29 22.2	-3.4
KDAK	Kodiak Island	16.20	56	Pn	Iamb	07 32 27.5	+3.3
N19K	Bonanza Creek	16.29	45	Iamb	Iamb	07 29 35.3	
N19K	Bonanza Creek	16.29	45	P	P	07 29 29.0	-0.3
G16K	Koyuk River	16.41	24	P	P	07 29 31.2	+0.7
P19K	Oil Pt	16.41	49	Pn	Pn	07 29 26.6	-1.8
P19K	Oil Pt	16.41	49	P	Pn	07 29 31.8	+1.2
Q20K	Shuyak Island	16.51	53	P	P	07 29 32.2	+0.6
ILSW	Iliamna Southw	16.57	48	Pn	Pn	07 29 27.8	-2.7
H17K	Granite Mounta	16.73	28	P	P	07 29 35.8	-2.7
L19K	White Mountain	16.78	40	P	P	07 29 35.2	+0.6
J18K	Innoko River	16.78	35	P	P	07 29 35.5	+0.9
O20K	Slope Mountain	16.85	48	P	P	07 29 36.4	+0.9
G17K	Kiwalik Mounta	16.94	26	P	P	07 29 38.1	+1.7
HOM	Home	17.18	50	P	P	07 29 40.5	+1.5
L20K	Farewell, AK	17.32	40	P	P	07 29 41.6	+1.0
CNPM	China Foot	17.34	51	P	Pn	07 29 39.2	-0.7
H18K	Honhosa River	17.34	29	P	P	07 29 42.9	+2.1
M20K	Styx River	17.35	42	P	P	07 29 42.4	+1.4
SPCR	Spurr Chakacha	17.46	45	P	P	07 29 44.1	+1.9
J19K	Poorman	17.49	34	P	Pn	07 29 40.9	-0.8
J19K	Poorman	17.49	34	P	Pn	07 29 43.8	+1.4
SPU	Mount Spurr	17.52	45	P	Pn	07 29 41.3	-0.9

F17K	Baldwin Pennin	17.52	23	P	P	07 29 44.6	+1.9
GCSA	Galena City Sc	17.54	31	P	P	07 29 45.3	+2.5
BRLL	Brady Lake	17.58	50	P	Pn	07 29 42.0	-0.9
BRLS	Bradley Lake S	17.64	50	P	Pn	07 29 45.6	+1.5
K20K	Telida	17.70	37	P	Pn	07 29 43.4	-0.9
K20K	Telida	17.70	37	P	Pn	07 29 45.6	+0.8
CAPN	Captain Cook N	17.78	47	P	P	07 29 46.5	+1.0
G18K	Tagagawik	17.79	27	P	Pn	07 29 44.9	-0.5
G18K	Tagagawik	17.79	27	P	P	07 29 47.4	+1.7
E17K	Hotham Inlet	17.91	21	P	P	07 29 48.8	+1.9
F18K	Selawik	18.05	24	P	P	07 29 50.2	+1.7
SKT	Skwentna	18.07	43	P	P	07 29 50.1	+1.2
J20K	Nowinta River	18.12	35	P	Pn	07 29 50.3	+0.8
J20K	Nowinta River	18.12	35	P	Pn	07 29 50.5	+1.0
D17K	Noatak River	18.16	19	P	Pn	07 29 51.5	+1.7
H19K	Roundabout Mou	18.19	30	P	Pn	07 29 51.2	+1.0
PLLA	Purkeypile	18.21	40	P	Pn	07 29 51.5	+0.9
C16K	Lisburne Hills	18.25	15	P	Pn	07 29 52.4	+1.5
Q22K	Cooper Landing	18.35	49	P	P	07 29 51.5	-0.3
Q22K	Cooper Landing	18.35	49	P	P	07 29 52.8	+0.6
SEW	Seward	18.37	50	P	P	07 29 50.8	-1.2
SEW	Seward	18.37	50	P	P	07 29 52.1	+0.1
I20K	Naagdeneel	18.37	33	P	P	07 29 51.7	-0.3
G19K	Purcell Mounta	18.42	28	P	Pn	07 29 53.4	+0.3
G19K	Purcell Mounta	18.42	28	P	Pn	07 29 54.0	+0.9
E18K	Tukvalearik C	18.46	22	P	Pn	07 29 54.5	+0.9
RDGC	Red Dog Mine	18.49	18	P	Pn	07 29 54.1	+0.1
CAST	Castle Rocks	18.50	39	P	Pn	07 29 54.7	+0.6
BILL	Bilbino	18.54	342	P	P	07 29 53.3	-0.6
BILL	Bilbino	18.54	342	P	P	07 29 54.5	+0.1
RC01	Comptz,66nm,1.8s	18.54	47	P	P	07 29 55.7	+1.2
M22K	Willow	18.60	45	Iamb	Iamb	07 30 14.8	
M22K	Willow	18.60	45	P	Pn	07 29 57.0	+1.8
CHUM	Lake Minchumin	18.64	37	P	Pn	07 29 56.5	+0.8
H20K	Anotleneega Mo	18.66	31	P	Pn	07 29 56.3	+0.3
F19K	Shaleruckik Mo	18.72	25	P	Pn	07 29 56.6	0.0
CUT	Chulitna	18.79	43	P	Pn	07 29 56.8	+0.1
C17K	DeLong Mountai	18.80	17	P	Pn	07 29 58.2	+0.5
PMR	Palmer	18.98	46	P	Pn	07 29 59.4	-0.4
PWL	Port Wells	19.11	48	P	P	07 30 00.5	+0.3
KNK	Knit Glacier	19.23	46	P	Pn	07 30 02.5	-0.3
TRF	Thorofare Moun	19.23	40	P	P	07 30 02.0	+0.3
BPAW	Bear Paw Mtn	19.26	37	P	Pn	07 30 02.6	-0.6
E19K	Redstone River	19.32	25	P	Pn	07 30 03.3	-0.6
P23K	Montague Islan	19.33	51	P	Pn	07 30 03.7	-0.4
IMAR	Indian Mountai	19.34	31	P	P	07 30 01.8	-0.9
MA2	Magadan	19.38	308	P	P	07 30 03.3	+0.1
MA2	Magadan	19.38	308	P	P	07 30 03.1	-0.1
MA2	Magadan	19.38	308	P	P	07 37 10.7	
MA2	Magadan	19.38	308	P	P	07 30 05.0	+0.4
SML	Sawmill	19.41	45	P	Pn	07 30 04.8	-0.3
F20K	Avaraat Lake	19.44	27	P	Pn	07 30 04.8	-0.4
H21K	Melozitna Riv	19.45	32	P	Pn	07 30 05.7	+0.3
SEY	Seymchan	19.65	318	P	P	07 30 05.9	-0.2
SEY	Seymchan	19.65	318	P	P	07 30 06.8	+0.8
M23K	Glacier View	19.68	46	P	Pn	07 30 09.0	+0.8
WAT1	Susitna Watana	19.69					

Table with columns: TUE, THU, FRI, SAT, SUN, MON, TUE, THU, FRI, SAT, SUN, MON. Rows include stations like Stuetta, Signal de Mont, Saint Martin d, etc.

Table with columns: PESTR, ESTREMOZ, PESTR, ESTREMOZ, PESTR, ESTREMOZ, etc. Rows include stations like Estremoz, Barrancos, Wadi Sarin, etc.

Table with columns: GUMO, GUAM, GUMO, GUAM, GUMO, GUAM, etc. Rows include stations like Guam, Ransiki, Kounac, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HTT Hallett, AUSMG Snowy Mountain, BASI Baing, Sumba, BBOO Buckleboe, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like LBZ, MOZ, DCZ, MLZ, JLD, MSJ, KSM, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like BNX, MNSI, GYA, GYA, HNS, HNS, etc.

6d 7h

2019 JAN

Table with columns for call sign, name, frequency, and other parameters. Includes stations like Gaotai, Ulanbaatar, Songino Array, Unalaska Valle, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes stations like MAKZ Makanchi, Clear Creek Bu, COLA College, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes stations like DZA Taraz, INK Inuvik, IUG Iuzhny, etc.

BUJ 06 08:34:08.6, 38°67N, 141°38E, h105km, mB4.9/14, mb4.7/63
MOS 06 08:34:08.5, 0.9, 38°76N, 141°44E, h100km, mb4.8/64, Error ellipse: s-maj=6.6km s-min=4.0km az=103.7
**NIED 06 08:34:10.8, 38°70N, 141°48E, h102km, MW4.5, Moment Tensor Solution. s3 Moment tensor: Scale 10¹⁵Nm; M₁=-5.77; M₂=0.87; M₃=6.63; M₄=3.19; M₅=1.14; M₆=0.27; Fault plane solution: M7.09000x10¹⁵ Np1; $\sigma_1=164.00000^\circ$; $\sigma_2=50.00000^\circ$; $\sigma_3=-126.00000^\circ$. NP2: $\sigma_1=33.00000^\circ$; $\sigma_2=200.00000^\circ$; $\sigma_3=-55.00000^\circ$
IDC 06 08:34:10.1, 0.3, 38°58N, 141°42E, h106km, comp, mb4.3/34, mbtmp4.6/40, MS3.1/2 Error ellipse: s-maj=10.1km s-min=9.4km az=119.0
NEIC 06 08:34:10.2, 1.3, 38°72N, 141°44E, 0.0, 9, h100km, 6km, mb4.7/201, Error ellipse: s-maj=11.0km s-min=6.4km az=109.0
JMA 06 08:34:10.8, 0.1, 38°70N, 141°47E, 0.0, 5, h102km, M04.5/40, MW4.6/40, NORTHERN MIYAGI PREF
JMA Felt III J1 at NORTHERN MIYAGI PREF.
ISC 06 08:34:10.1, 0.4, 38.73N, 141.47E, 0.0, 4, h103km, 2km, h102km, pP-P, n13, $\sigma_1=126/653$, mb4.7/213, 13C-30D, Near east coast of eastern Honshu**

Code	Station Name	Lat	Lon	Phase	ID	h	Res	ISC
MAJO	Matsushiro	3.39	231	Pn	Pn	08 35 01.9	+0.8	
MAJO	Matsushiro	3.39	231	P	P	08 35 02.0	+0.8	
MAJO	Matsushiro	3.39	231	iP	P	08 35 01.9	+0.8	
MJAR	Matsushiro Arr	3.39	231	P	P	08 35 01.0	-0.2	
MJAR	comp=N,17nm,0.5s,comp=E,16nm,0.6s							
MJAR	Matsushiro	3.39	231	Pn	Pn	08 35 01.9	+0.8	
MJAR	Matsushiro	3.39	231	P	P	08 35 02.0	+0.8	
MJAR	Matsushiro	3.39	231	iP	P	08 35 01.9	+0.8	
MJAR	Matsushiro Arr	3.39	231	P	P	08 35 01.0	-0.2	
MJAR	comp=9.7nm,0.9s,baz=215,slow=17,SNR=259							
MJAR	comp=E,45nm,0.6s,baz=258,slow=25,SNR=5.8							
MJAR	comp=N,17nm,0.5s,comp=E,16nm,0.6s							
MJAR	comp=E,385nm,18.8s,baz=84,slow=39							
MJB9	Matsu-Tunnel	3.39	231	Pn	Pn	08 35 02.8	+1.7	
ERM	Erino	3.52	21	Pn	Pn	08 35 03.0	+0.2	
ERM	Erino	3.52	21	P	P	08 35 03.9	+1.1	
ERM	Erino	3.52	21	dEP	P	08 35 02.5	-0.3	
JER	Erino	3.52	21	P	P	08 35 04.0	+1.2	
JER	Kuroka	4.54	228	Pn	Pn	08 35 17.0	+0.4	
JER	Kuroka	4.54	228	P	P	08 35 17.3	+0.7	
JGF	Sagara	4.84	214	P	P	08 35 20.0	-0.6	
INU	Inuyama	4.91	228	Pn	Pn	08 35 22.4	+0.8	
INU	Inuyama	4.91	228	P	P	08 35 22.4	+0.8	
INU	Kamikawa-asahi	5.44	9	P	P	08 35 28.6	-0.2	
ASAJ	Asahikawa	5.44	9	P	P	08 35 28.3	-0.5	
ASAJ	comp=N,189nm,0.5s,baz=217,slow=10,SNR=273							
ASAJ	comp=E,163nm,0.9s,baz=286,slow=29,SNR=5.9							
ASAJ	Asahikawa	5.44	9	Pn	Pn	08 35 28.6	-0.2	
JHUJ	Mitsune	5.77	194	Pn	Pn	08 35 32.6	-0.6	
YUK	Yuzh-Kuril'sk	6.22	31	eP	P	08 35 37.8	-1.7	
YUK	comp=N,153nm,0.5s							
YUK	comp=Z,269nm,0.5s							
YUK	comp=E,96nm,0.3s							
YUK	comp=N,2um,0.5s							
YUK	comp=E,4um,0.5s							
TEJ	Tena	7.27	332	eP	Pn	08 35 55.7	+2.2	
JMN	Monobe	7.91	233	P	P	08 36 01.7	-0.7	
KUR	Kuril'sk	8.05	34	eS	Pn	08 36 02.9	-1.2	
KUR	comp=Z,68nm,0.4s							
KUR	comp=E,434nm,0.6s							
KUR	comp=N,170nm,0.5s							
YSS	Yuzhno-Sakhali	8.27	6	Pn	Pn	08 36 06.3	-0.8	
YSS	Yuzhno-Sakhali	8.27	6	P	P	08 36 07.6	+0.5	
YSS	Yuzhno-Sakhali	8.27	6	eS	Pn	08 36 06.3	-0.8	
YSS	comp=Z,170nm,0.8s							
YSS	comp=N,110nm,1.1s							
YSS	comp=E,70nm,1.1s							
YSS	comp=Z,600nm,14.0s							
VLA	Vladivostok	8.48	304f	eP	Pn	08 36 12.6	+2.6	
MSHR	Mys Shoitka	8.73	299c	iP	Pn	08 36 13.8	+0.4	
MSHR	comp=Z,137nm,0.8s							
USA0B	Ussuriysk Arra	8.97	311	Pn	Pn	08 36 17.0	+0.3	
USA0B	Ussuriysk Arra	8.97	311	dIP	Pn	08 36 17.4	+0.7	
USRK	Ussuriysk Ar.	8.97	311	P	P	08 36 17.1	+0.5	
USRK	comp=Z,269m,0.7s,baz=121,slow=13,SNR=34							
PSTR	Posyet	9.00	299f	iP	Pn	08 36 18.9	+1.9	
JNU	Nakatsue	10.25	240	P	Pn	08 36 33.0	-1.3	
JNU	Nakatsue	10.25	240	P	Pn	08 36 34.0	-0.2	
JNU	Nakatsue	10.25	240	P	Pn	08 36 34.3	+0.1	
NKAT	Nakatsue	10.25	240	P	Pn	08 36 34.3	+0.1	
MDJ	Mudanjiang	10.65	307	Pn	Pn	08 36 38.9	-0.6	
MDJ	Mudanjiang	10.65	307	P	Pn	08 36 40.0	+0.5	
MDJ	comp=Z,26nm,1.0s							
MDJ	Mudanjiang	10.65	307	P	Pn	08 36 40.6	+1.1	
KSR	Korea Array	10.76	267	Pn	Pn	08 36 42.4	+1.4	
KSR	comp=Z,269m,0.7s,baz=77,slow=13,SNR=52							
KSAR	Wonju Array Be	10.79	267	Pn	Pn	08 36 38.3	-3.2	
KSAR	Wonju Array Be	10.79	267	P	Pn	08 36 38.3	-3.2	
KS19	Wonju Array Si	11.45	268	P	Pn	08 36 39.9	-1.6	
TJ	Tajol	11.45	268	P	Pn	08 36 51.9	+1.5	
JCJ	Chichijima	11.62	177	Pn	Pn	08 36 48.6	-4.1	
TYV	Tymovskoe	12.16	4	eS	Pn	08 36 58.5	-1.1	
TYV	comp=Z,200nm,3.2s							
TYV	comp=Z,61nm,0.8s							
TYV	comp=E,500nm,4.6s							
BNX	BinXian	12.55	308	iP	Pn	08 37 05.7	+0.9	
GRNR	Gornyy	12.55	345	iP	Pn	08 37 03.5	-1.4	
GRNR	comp=N,20nm,0.7s							
GRNR	comp=Z,10.0nm,0.7s							
CN2	Changchun	13.07	298	eP	Pn	08 37 10.6	-1.1	
CN2	Changchun	13.07	298	eS	Pn	08 37 41.2	+2.3	
CN2	Changchun	13.07	298	eS	Pn	08 39 35.2	-0.2	
CN2	comp=Z,10.0nm,0.7s							
SNY	Shenyang	14.01	288	iP	Pn	08 37 23.5	-0.4	
SNY	comp=Z,8.0nm,0.7s							
DL2	Dalian	15.47	277	P	Pn	08 37 43.0	+0.4	
DL2	comp=Z,78nm,0.9s							
ZEA	Zeya	17.89	332	eP	Pn	08 38 11.4	+0.1	
ZEA	comp=E,10.0nm,0.5s							
ZEA	comp=N,20nm,0.7s							
PEA0B	Petrovavol'sk	18.21	33j	eP	Pn	08 38 16.7	+0.7	
PETK	Petrovavol'sk	18.21	33j	P	Pn	08 38 14.8	-0.1	
PETK	comp=Z,20nm,1.0s,baz=228,slow=8.9,SNR=6.0							
BJJ	Beijing	19.58	282	P	P	08 38 28.8	-1.1	
BJJ	comp=Z,8.0nm,0.8s							
NJ2	Nanjing	19.58	257	eP	Pn	08 38 30.2	+0.2	
NJ2	comp=Z,4.0nm,0.5s							
BJT	Bajitau	19.59	282	P	P	08 38 27.8	-2.3	
BJT	Bajitau	19.59	282	P	P	08 38 27.8	-2.3	
BJT	comp=Z,1.3nm,0.7s							
XLT	XiLinHaoTe	19.73	293	eP	P	08 38 30.2	-1.4	
XLT	XiLinHaoTe	19.73	293	pP	P	08 38 50.0	-1.0	
XLT	comp=Z,16nm,1.1s							
HNS	HongShan	21.09	275	iP	P	08 38 43.6	-2.6	
HNS	comp=Z,17nm,0.8s							
MA2	Magadan	21.69	13	P	P	08 38 52.4	+0.1	
MA2	Magadan	21.69	13	P	P	08 38 52.2	-0.1	
MA2	comp=Z,56nm,0.7s,baz=196,slow=9.0,SNR=32							
MA2	Magadan	21.69	13	ceP	P	08 38 51.8	-0.5	
MA2	comp=Z,70nm,0.8s							
MA2	Magadan	21.69	13	P	P	08 38 51.9	-0.4	
SSLB	Suanlung	22.94	235	P	P	08 39 01.4	-4.2	
HHC	Hu-ho-hao-te	23.03	285	eP	P	08 39 06.7	+0.2	
HHC	comp=Z,13nm,0.5s							
HHC	comp=Z,120nm,4.7s							
LYN	LuoYang	23.60	269	P	P	08 39 09.8	-1.8	
LYN	comp=Z,57nm,0.9s							
WHN	Wuhan	23.70	257	iP	P	08 39 12.0	-0.6	
WHN	Yakutsk	24.43	347	P	P	08 39 17.9	-0.8	
YAK	Yakutsk	24.43	347	ePP	P	08 39 17.1	-1.7	
YAK	comp=N,13nm,4.6s,comp=E,11nm,3.7s							
YAK	Yakutsk	24.43	347	e	P	08 42 51.9		

Code	Station Name	Lat	Lon	Phase	ID	h	Res	ISC
YAK	Yakutsk	24.43	347	eS	S	08 43 30.9	-0.1	
YAK	Yakutsk	24.43	347	eSS	SS	08 44 12.3	+2.0	
YAK	comp=Z,100nm,1.6s							
YAK	comp=N,40nm,1.1s							
YAK	comp=E,12nm,2.5s							
YAK	comp=E,389nm,7.8s							
YAK	comp=N,349nm,6.3s							
SEY	Seymchan	25.12	12j	eP	P	08 39 26.2	+1.1	
SEY	comp=Z,339nm,1.1s							
BOD	Bodaibo	26.13	326	eP	P	08 39 33.7	-0.6	
BOD	comp=Z,16nm,1.1s							
ULN	Ulaanbataar	26.48	301	P	P	08 39 37.0	-0.7	
ULN	Ulaanbataar	26.48	301	iP	P	08 39 39.1	+1.4	
ULN	comp=Z,20nm,1.4s							
XAN	Xi'an	26.54	270	P	P	08 39 37.6	-0.7	
XAN	comp=Z,37nm,0.6s							
SOM	Songino Arra	26.91	301	P	P	08 39 41.0	-0.5	
SOM	comp=Z,4.4nm,0.8s,baz=88,slow=9.5,SNR=26							
ENH	Ennsai	27.57	262	P	P	08 39 46.3	-1.3	
H1N2	WAKE ISLAND HV	29.01	124	T	T	09 10 48.0		
H1N1	WAKE ISLAND HV	29.02	124	T	T	09 10 28.6		
H1N3	WAKE ISLAND HV	29.03	124	T	T	09 10 49.4		
ZAK	Zakamensk	29.28	306	eP	P	08 40 02.8	+0.2	
ZAK	comp=Z,6.0nm,1.0s							
H1S1	WAKE ISLAND HV	29.77	125	T	T	09 11 27.9		
H1S3	WAKE ISLAND HV	29.77	126	T	T	09 11 32.6		
H1S2	WAKE ISLAND HV	29.79	125	T	T	09 11 33.7		
LZH	Lanzhou	29.87	277	pP	P	08 40 09.3	+1.3	
LZH	Lanzhou	29.87	277	pP	P	08 40 32.1	+1.1	
LZH	comp=Z,22nm,1.4s							
Gya	Guiyang	31.59	258	P	P	08 40 25.1	+1.9	
Gya	comp=Z,52nm,0.7s							
CD2	Chengdu	31.76	267	P	P	08 40 24.0	-0.6	
CD2	comp=Z,20nm,0.7s							
GTA	Gaotai	32.15	285	eP	P	08 40 30.0	+2.0	
GTA	Gaotai	32.15	285	pP	P	08 40 51.2	+0.1	
GTA	comp=Z,7.0nm,0.6s							
BILL	Bilibino	32.39	17	P	P</			

B18K	Kokolik River	42.71	26	P	P	08 41 57.9 +1.4
O16K	Kokwok River B	42.88	41	P	P	08 41 58.7 +0.8
F18K	Selawik	42.88	30	P	P	08 41 59.1 +1.3
L17K	Donlin	42.90	37	P	P	08 41 60.0 +1.9
P16K	Nushagak River	42.92	41	P	P	08 41 59.8 +1.6
K17K	Iditarod	42.94	36	P	P	08 41 59.5 +1.1
G18K	Tagagawik	43.16	31	P	P	08 42 01.3 +1.1
A19K	Wainwright	43.18	25	P	P	08 42 01.1 +0.9
H18K	Honhosa River	43.18	32	P	P	08 42 01.4 +1.1
M17K	Holitna River	43.26	38	P	P	08 42 02.3 +1.3
MK31	Makanchi Array	43.28	301	P	P	08 42 01.4 0.0
IK31	Makanchi Array	43.28	301	P	P	08 42 01.6 +0.2
MKAR	Makanchi Array	43.28	301	P	P	08 42 01.4 0.0
N17K	Nushagak Hills	43.35	39	P	P	08 42 03.4 +1.6
C19K	Lookout Ridge	43.41	27	P	P	08 42 03.2 +1.1
MAKZ	Makanchi	43.48	301	P	P	08 42 02.0 -1.1
MAKZ	Makanchi	43.48	301	P	P	08 42 02.0 -1.1
SHL	Shilling	43.50	268	P	P	08 42 03.2 -0.4
SHL	Shilling	43.50	268	P	P	08 42 06.5
SHL	Shilling	43.50	268	P	P	08 42 03.2 -0.4
SHL	Shilling	43.50	268	P	P	08 42 03.2 -0.4
F19K	Shaleruckik Mo	43.66	30	I	Amb	08 42 05.9
F19K	Shaleruckik Mo	43.66	30	P	P	08 42 05.5 +1.4
L18K	Granite Mounta	43.66	37	P	P	08 42 05.2 +1.1
J18K	Innoko River	43.72	35	P	P	08 42 05.4 +0.7
GCSA	Galena City Sc	43.76	33	P	P	08 42 05.4 +0.5
D19K	Kuna River	43.81	28	P	P	08 42 06.2 +0.8
G19K	Purcell Mounta	43.83	31	I	Amb	08 42 07.5
G19K	Purcell Mounta	43.83	31	P	P	08 42 06.5 +1.0
E19K	Redstone River	43.96	29	P	P	08 42 07.8 +1.2
N18K	Kilae Creek	44.00	39	I	Amb	08 42 09.8
N18K	Kilae Creek	44.00	39	P	P	08 42 08.3 +1.3
H19K	Roundabout Mou	44.02	32	P	P	08 42 08.4 +1.4
M18K	Stony River	44.04	38	P	P	08 42 10.1 +0.8
J19K	Poorman	44.24	34	P	P	08 42 10.0 +1.2
ACHA	Angle Creek He	44.33	43	P	P	08 42 10.1 +0.4
O18K	Koktuh Hills	44.34	40	I	Amb	08 42 10.7 +1.0
O18K	Koktuh Hills	44.34	40	I	Amb	08 42 14.5
D20K	Etvluk River	44.39	27	P	P	08 42 11.0 +1.1
B20K	Meade River	44.44	26	P	P	08 42 11.6 +1.4
E20K	Nigu River	44.47	28	P	P	08 42 11.9 +1.2
Q18K	Katmai Hardscr	44.48	42	P	P	08 42 11.8 +0.9
F20K	Avaragat Lake	44.49	30	P	P	08 42 12.1 +1.4
L19K	White Mountain	44.52	37	P	P	08 42 12.3 +1.2
H20K	Anotleneega Mo	44.67	32	P	P	08 42 13.7 +1.4
N19K	Bonanza Creek	44.69	39	P	P	08 42 13.8 +1.2
O19K	Port Alsworth	44.78	40	P	P	08 42 14.8 +1.7
I20K	Naaghedeneel	44.79	33	P	P	08 42 14.5 +1.4
A21K	Barrow	44.88	24	P	P	08 42 14.1 +0.4
J20K	Novinta River	44.90	34	P	P	08 42 15.5 +1.4
K20K	Telida	44.91	35	P	P	08 42 16.5 +2.3
KURK	Kurchatov	44.94	307	P	P	08 42 14.3 -0.2
KURK	Kurchatov	44.94	307	P	P	08 42 15.0 +0.5
L20K	Farwell, AK	44.98	36	P	P	08 42 16.5 +1.8
KURB8	Kurchatov Arra	45.01	307	P	P	08 42 14.9 -0.1
C21K	Knifblade Rid	45.11	27	P	P	08 42 17.6 +1.9
IMAR	Indian Mountai	45.17	31	P	P	08 42 17.2 +1.1
Q19K	Cape Douglas,	45.17	41	P	P	08 42 16.9 +0.6
Q19K	Cape Douglas,	45.17	41	P	P	08 42 16.7 +0.4
B21K	Ikpikpuk River	45.24	26	P	P	08 42 18.3 +1.6
G21K	Allakaket	45.31	31	I	Amb	08 42 19.6
G21K	Allakaket	45.31	31	P	P	08 42 18.8 +1.5
M20K	Styx River	45.33	37	P	P	08 42 19.5 +1.9
A22K	Sinclair Lake	45.34	24	P	P	08 42 18.6 +1.1
F21K	Alatina River	45.38	30	P	P	08 42 18.8 +0.9
OHAK	Old Harbor	45.49	44	P	P	08 42 19.3 +0.5
OHAK	Old Harbor	45.49	44	I	Amb	08 42 27.1
OHAK	Old Harbor	45.49	44	P	P	08 42 19.5 +0.7
H21K	Melozitna Rive	45.54	32	P	P	08 42 20.5 +1.4
CHUM	Lake Minchumin	45.70	34	P	P	08 42 21.6 +1.3
B22K	Teshkpu Lake	45.75	25	I	Amb	08 42 24.3
B22K	Teshkpu Lake	45.75	25	P	P	08 42 21.0 +0.3
PPLA	Purkeypile	45.76	36	P	P	08 42 22.4 +1.4
SPCR	Spurr Chakacha	45.79	38	P	P	08 42 22.3 +1.1
CAST	Castle Rocks	45.80	35	P	P	08 42 22.6 +1.4
KDAK	Kodiak Island	45.81	43	P	P	08 42 21.7 +0.4
KDAK	Kodiak Island	45.81	43	P	P	08 42 22.0 +0.7
KDAK	Kodiak Island	45.81	43	P	P	08 42 21.7 +0.4
KDAK	Kodiak Island	45.81	43	P	P	08 42 21.7 +0.4
D22K	Aiyikyak River	45.83	27	P	P	08 42 22.4 +1.0
Q20K	Shuyak Island	45.84	42	P	P	08 42 22.1 +0.6
SPU	Mount Spurr	45.86	38	P	P	08 42 23.1 +1.4
SPU	Mount Spurr	45.86	38	I	Amb	08 42 24.2
STLK	Strandlie Lak	45.96	38	I	Amb	08 42 29.3
SKT	Skwentna	46.08	37	P	P	08 42 23.9 +0.5
E22K	Anaktuvuk Pass	46.08	29	P	P	08 42 24.9 +1.5
E22K	Anaktuvuk Pass	46.08	29	P	P	08 42 24.7 +1.3
G22K	Bettles	46.13	30	P	P	08 42 24.4 +0.8
BPAW	Bear Paw Mtn.	46.28	34	P	P	08 42 26.1 +1.1
CAPN	Captain Cook N	46.32	39	P	P	08 42 26.3 +1.0
D23K	Nanushuk River	46.56	27	I	Amb	08 42 30.4
D23K	Nanushuk River	46.56	27	P	P	08 42 28.3 +1.3
BRSE	Bray Lake S	46.60	40	P	P	08 42 28.7 +1.2
TRF	Thorafore Moun	46.61	35	P	P	08 42 28.7 +1.0
C23K	Ikililik River	46.65	26	P	P	08 42 29.1 +1.3
COLD	Coldfoot	46.65	30	P	P	08 42 29.1 +1.4
G23K	Bananza Creek	46.71	31	I	Amb	08 42 30.4
G23K	Bananza Creek	46.71	31	P	P	08 42 29.6 +1.3
WUS	Wushi	46.87	294	I	Amb	08 42 33.7
E23K	Chandler	46.90	29	P	P	08 42 31.0 +1.1
TOLK	Toolik Lake Re	46.94	28	I	Amb	08 42 32.5
TOLK	Toolik Lake Re	46.94	28	P	P	08 42 31.5 +1.4
I23K	Minto, Yukon-K	46.98	33	P	P	08 42 31.6 +1.3
RC01	Rabbit Creek A	46.99	38	P	P	08 42 31.3 +0.8
O22K	Cooper Landing	47.05	39	P	P	08 42 32.1 +1.2
NEA2	Nenana	47.11	33	P	P	08 42 32.8 +1.4
MCK	McKinley	47.20	35	P	P	08 42 33.3 +1.1
SEW	Seward	47.21	40	P	P	08 42 32.9 +0.7
DAK	Happy Valley	47.24	27	P	P	08 42 33.5 +1.2
PMR	Palmer	47.24	38	I	Amb	08 42 34.2
PMR	Palmer	47.24	38	P	P	08 42 33.2 +0.8
RND	Reindeer	47.25	35	P	P	08 42 32.8 +0.2
C24K	Franklin Bluff	47.30	26	P	P	08 42 34.1 +1.3
E24K	Your Creek	47.33	29	I	Amb	08 42 35.7
E24K	Your Creek	47.33	29	P	P	08 42 34.8 +1.7
WAT1	Susana Watana	47.42	36	P	P	08 42 34.3 +0.4
F24K	Squaw Lake	47.55	29	I	Amb	08 42 38.6
F24K	Squaw Lake	47.55	29	P	P	08 42 35.7 +0.8
H24K	Noodor Dome	47.58	32	P	P	08 42 36.3 +1.3
KNK	Knik Glacier	47.58	38	P	P	08 42 35.3 +0.2
SML	Sawmill	47.60	37	P	P	08 42 35.4 +0.1
G24K	Hadweezic Riv	47.72	31	I	Amb	08 42 38.5
G24K	Hadweezic Riv	47.72	31	P	P	08 42 37.8 +1.7
POKR	Poker Plat Res	47.79	33	P	P	08 42 38.4 +1.7
WAT6	Susana Watana	47.82	36	P	P	08 42 37.8 +0.7
M23K	Glacier View	47.89	37	P	P	08 42 38.5 +1.0
DHY	Denali Highway	47.94	35	P	P	08 42 38.2 +0.2
KDJ	Kajias	48.02	296	P	P	08 42 38.9 -0.1
HDA	Harding Lake	48.04	34	P	P	08 42 39.2 +0.7
IL31	IL31	48.04	33	P	P	08 42 39.2 +0.7
IL31	IL31	48.04	33	I	Amb	08 42 39.9
ILAR	Eielson Array	48.04	33	P	P	08 42 39.8 +0.3
ILAR	Eielson Array	48.04	33	P	P	08 42 39.8 +0.3
SCM	Sheep Creek Mo	48.08	37	P	P	08 42 39.6 +0.6
D25K	Kavik River	48.11	27	I	Amb	08 42 41.2
D25K	Kavik River	48.11	27	P	P	08 42 40.9 +1.7
G25K	Bearman Lake	48.26	30	P	P	08 42 41.8 +1.5
GLI	Glear Island	48.29	38	P	P	08 42 42.6 +2.1
F25K	Christina River	48.41	29	P	P	08 42 43.3 +1.8
F25K	Christina River	48.41	29	P	P	08 42 43.3 +1.8
E25K	Arctic Village	48.42	29	I	Amb	08 42 44.4
E25K	Arctic Village	48.42	29	P	P	08 42 43.3 +1.7
PRP	Porcupine Dome	48.57	32	P	P	08 42 44.0 +1.2
M24K	Tolsona, Glenn	48.59	37	P	P	08 42 44.0 +1.1
K24K	Donnelly Dome	48.60	34	P	P	08 42 43.3 +0.4
C26K	Camden Bay	48.62	26	P	P	08 42 44.8 +1.8
JL5K	Sala River,	48.70	33	P	P	08 42 43.8 +0.1
K25K	Klutina	48.78	37	P	P	08 42 45.1 +0.7
PAX	Paxson	48.82	36	P	P	08 42 45.7 +1.1
BMAR	Burnt Mountain	48.83	30	P	P	08 42 47.0 +2.4
TKM2	Tokmak 2	48.88	297	P	P	08 42 45.9 +0.3
F26K	Sheenjek River	48.98	29	P	P	08 42 47.8 +2.0
EYAK	Cordeva Ski Ar	48.99	39	P	P	08 42 46.8 +0.9
RIDG	Independent Ri	49.02	34	P	P	08 42 46.4 +0.3
HARP	HARP	49.03	36	P	P	08 42 47.5 +1.2
C27K	Jago River	49.05	27	I	Amb	08 42 48.4
C27K	Jago River	49.05	27	P	P	08 42 47.9 +1.7
G26K	Porcupine Rive	49.17	30	P	P	08 42 48.5 +1.3
SCRK	Sand Creek	49.37	34	P	P	08 42 48.9 0.0
N25K	Chitina, Valde	49.40	37	P	P	08 42 50.4 +1.3
BVA0	Borovoye Array	49.48	311	P	P	08 42 49.4 -0.3
BVAR	Borovoye Array	49.48	311	P	P	08 42 49.6 -0.1
BVAR						

6d 9h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DAVA Damuels, 319A Douglas, CDF Champ du Feu, etc.

Table for KRSC 06:08:35:35.7±0.8, 55°30'N:164.30'E, h41km±21km, M13.7. Includes stations like BKI Bering, KBTR Krutoberegovo, etc.

Table for TAP 06:08:38:39.2, 24.76°N:121.93E, h90km, ML2.2, D, Taiwan. Includes stations like NTC Toucheng, TIBS Shuangxi, etc.

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Table with columns: ENTT, LATG, YHNB, YHNS, etc. Includes stations like Nioudou, Datong, Yeheng, etc.

IDC 06:08:52:08.7±2.1, 1°22'S:127°00'E, h0km, mb3.2/2, mbmp3.1/3, ML3.1/1, MS3.5/1, Error ellipse: s-maj=182.7km s-min=26.4km az=66.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LBMI Labuha, TNTI Ternate, SANI Sani, etc.

IGIL 06:08:59:21.5, 36°73'N:3°69'W, h2km, MDD 06:08:59:21.1±0.5, 36°73'N:3°69'W, h2km, 4km, mb_Lg2.5/9, Error ellipse: s-maj=4.0km s-min=2.9km az=33.0

ENMJ 06:08:59:22.4±1.3, 36°72'N:3°63'W, h15km, ML2.1, Error ellipse: s-maj=3.4km s-min=2.1km az=25.0

CNRM 06:08:59:22.8, 36°70'N:3°63'W, h50km, ML2.0, ISC 06:08:59:20.4±1.0, 36°71'N:0°03.355'W±0.03, h13km±7km, #N7, #09/59, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ELGU Los Guajares, ELGU ELGU, EQUQ Quentara, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PESTR Estremoz, PESTR PESTR, PESTR PESTR, etc.

n66.±199/97, 1C, Near coast of Chiapas 326

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG THIG, THIG THIG, THIG THIG, etc.

IDC 06:09:07:59.6±3.4, 55°32'N:149°25'W, h0km, mb3.9/1, mbmp3.4/6, ML3.0/5, MS3.1/1, Error ellipse: s-maj=46.2km s-min=30.0km az=17.0

NEIC 06:09:03:02.1±1.6, 56°20'N:0°03:149°32'W±0.9, h23km, 9km, ML3.5/64, ML3.3/1(AEIC), Error ellipse: s-maj=7.7km s-min=5.0km az=81.0

AEIC 06:09:08:06.2±1.4, 56°18'N:0°08:149°28'W±0.9, h12km±7km, Error ellipse: s-maj=12.1km s-min=6.7km az=159.0

ISC 06:09:08:04.7±1.2, 56°21'N:0°08:149°34'W±0.06, h35km, n109, #082/107, Gulf of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table of astronomical observations for 6d 11h, listing stations like ULM, LOHW, TPWA, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2019 JAN, listing stations like SONM, CN2, HVB, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2019 JAN, listing stations like CSOL, CASCOL, BOSC, etc., with columns for station name, coordinates, and observation details.

NEIC 06 11:14:30.0t.1.1, 17.7S:0.2:178.6W:0.1, h570km, 9km, mb4.2/20, Error ellipse: s-maj=29.9km s-min=12.8km az=149.0

IDC 06 11:14:31.9t.1.9, 17.37S:178.95W, h575km, 19km, mb3.2/8, mbmp4.1/9, Error ellipse: s-maj=73.2km s-min=15.6km az=150.0

ISC 06 11:14:28.7-0.7, 17.7S:0.2:178.7W:0.1, h550km, n32, o611/30, mb4.1/18, FFJS Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations and their observation parameters.

IGQ 06 11:19:32.8:2.2:2'S:2:7'9W, h9km, 2km, MLv4, 3/13 NEIC 06 11:19:34.4:1.2:2'17S:0.03:79.24W:0.07, h10km, 2km, mb4.3/25, Error ellipse: s-maj=12.1km s-min=3.1km az=247.0

RSNC 06 11:19:34.2:0.3:2'S:2:7'9W, h0km, M3.7, mb4.5, ML3.4 IDC 06 11:19:39.1:3.5, 1.98S:79.08W, h56km, 35km, mb3.5/9, mbmp3.9/12, ML3.9/3, Error ellipse: s-maj=41.4km s-min=20.1km az=56.0

ISC 06 11:19:33.8-0.9, 2.09S:0.02:79.28W:0.03, h15km, 6km, n133, o151/140, mb4.2/18, 14C-19D, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations and their observation parameters.

MACA Manacapuru-AM 18.61 94 P Iamb Iamb P 11 23 49.2 -1.6

MACA Chumizua 20.06 151 P Iamb Iamb P 11 24 07.0 -0.2

MACA G001 comp=Z:1.4m,1.3s 20.26 5 P Pn 11 24 11.6 +0.7

MACA MTJD Mount Denham 20.26 5 P Pn 11 24 17.2 -1.0

MACA PB01 IPOC Station P 21.12 154 P Pn 11 24 32.4 -0.7

MACA VILB Vilhena 21.75 121 Iamb Iamb P 11 24 37.0

MACA OBIP Obispos Ponce 23.58 31 P Pn 11 24 45.7 +1.6

MACA CELP Cerrillos 23.62 31 P Iamb Iamb P 11 24 45.9 +1.4

MACA AOPR Arcoibo Obsev 23.76 31 P Pn 11 24 46.3 +0.5

MACA PDRR Patillas Dam, 23.87 33 P Iamb Iamb P 11 24 47.8 +0.9

MACA PTLB Pontes e Lacer 23.89 125 P Pn Iamb Iamb P 11 24 47.0 -0.1

MACA PTLB comp=Z:9.1nm,1.3s 24.07 33 P Pn 11 24 49.7 +1.0

MACA HUMP Col San Antonio 36.81 330 Iamb Iamb P 11 26 41.9 +0.6

MACA HNDO Hondo 36.81 330 Iamb Iamb P 11 26 48.2

MACA DRIO Del Rio 37.41 328 P Iamb Iamb P 11 26 46.8 +0.4

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Osenpovka, Erkin-Say, Karatobe, Almayashu, Merke, etc.

NORS 06 12:30:11.7, 43°80N, 43°44E, h28km, MPVA4.0
MOS 06 12:30:12.8, 43°83N, 43°47E, h20km, MPVA3.9, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kuba-Taba, Nalchik, Pyatigorsk, Khabaz, etc.

IDC 06 12:32:24.5, 1.4, 30°43'AS, 178°22'W, h0km, mb3, 9/4, mbmp3, 9/5, ML3, 4/1, Error ellipse: s-maj=36.5km

ISC 06 12:32:23.3, 2.6, 30°68'S, 008°177'2W, 0°3, h35km, n18, s=1520.6, mb4.0/4, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Raoul Island, Alice Springs, Waramunga Arr, etc.

NSSP 06 12:35:32.7, 41°80N, 42°27E, h10km, Ms3.0
TIF 06 12:35:32.8, 41°92N, 42°31E, h21km, 1km

NORS 06 12:35:34.7, 41°93N, 42°42E, h3km, MPVA4.0
MOS 06 12:35:34.7, 41°99N, 42°21E, h4km, MPVA4.0

AFAD 06 12:35:34.1, 41°79N, 42°33E, h5km, 2km, ML3.0
ISC 06 12:35:32.4, 1.0, 41°88N, 01°42'38E, 0.01, h7km, 9km, n12, s=1917/200, 7C-3D, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Posof, Batumi, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Batumi, Tkibuli, Borcka, Hopa-Artvin, Agillar, etc.

IDC 06 13:09:04.0, 3.0, 28°11'S, 74°52E, h0km, mb4.1/12, mbmp4.1/12, MS3, 8/11, Error ellipse: s-maj=28.5km

NEIC 06 13:09:08.0, 1.6, 28°35'S, 01°74'6E, 0.2, h10km, 1km, mb4.7/26, Error ellipse: s-maj=30.0km, s-min=22.4km

ISC 06 13:09:06.8, 0.7, 28°25'S, 01°74'6E, 0.2, h10km, n59, s=1926.3, mb4.6/25, MS3, 9/11, Mid-Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Diego Garcia, Kopruckoy-ERZUR, Akdag, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kapz, Kopt, Vslr, Vesolyolye, etc.

IDC 06 13:09:04.0, 3.0, 28°11'S, 74°52E, h0km, mb4.1/12, mbmp4.1/12, MS3, 8/11, Error ellipse: s-maj=28.5km

NEIC 06 13:09:08.0, 1.6, 28°35'S, 01°74'6E, 0.2, h10km, 1km, mb4.7/26, Error ellipse: s-maj=30.0km, s-min=22.4km

ISC 06 13:09:06.8, 0.7, 28°25'S, 01°74'6E, 0.2, h10km, n59, s=1926.3, mb4.6/25, MS3, 9/11, Mid-Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Diego Garcia, Kopruckoy-ERZUR, Akdag, etc.

VNDA	Vanda	62.06 166	P	P	13 19 27.9 +0.9
comp=Z:1.8nm,0.9s,baz=273,slow=6.9,SNR=5.8					
KBL	Kabul	62.66 355	P	I Amb	13 19 33.2 +1.4
comp=Z:7.0nm,1.0s					
CTA	Charters Tower	65.09 100	LR	LR	13 15 55.9
comp=Z:123nm,19.6s,baz=237,slow=34					
SMJ	Simigan	66.76 355	P	I Amb	13 19 58.8 +0.4
comp=Z:5.6nm,1.1s					
BTK	Batken	68.04 357	P	P	13 20 06.6 +0.2
comp=Z:9.6nm,1.2s					
WUS	Wushi	69.23 4	P	P	13 20 14.7 +0.8
ARSB	Arslanbob	69.23 359	P	P	13 20 14.9 +1.1
NRN	Naryn	69.34 1	P	I Amb	13 20 15.9 +1.1
comp=Z:8.4nm,1.0s					
KDJ	Kajisay	70.06 2	P	I Amb	13 20 18.4 -0.6
comp=Z:8.9nm,1.3s					
AAK	Ala-Archa	70.53 360	P	P	13 20 23.1 +1.3
comp=Z:7.2nm,1.2s					
KKAR	Kararay Array	71.09 357	P	I Amb	13 20 26.8 +1.7
comp=Z:6.8nm,0.9s					
MK31	Makanchi Array	75.01 5	P	P	13 20 48.2 0.0
MKAR	Makanchi Array	75.01 5	P	P	13 20 45.5 -2.7
comp=Z:1.9nm,1.0s,baz=168,slow=6.2,SNR=12					
ABKAR	Akbulak array	78.25 350	P	P	13 21 07.4 +1.0
KURBB	Kurchatov Arra	78.50 3	P	P	13 21 06.5 -1.8
comp=Z:0.8nm,0.9s,baz=199,slow=5.6,SNR=6.1					
SONM	Songino Array	80.26 21	P	P	13 21 20.2 -1.2
comp=Z:2.1nm,1.0s,baz=200,slow=4.6,SNR=7.4					
BVAR	Borovoye Array	81.00 357	P	P	13 21 20.2 -1.1
comp=Z:4.6nm,0.8s,baz=156,slow=8.0,SNR=18					
BRVK	Borovoye	81.04 357	P	I Amb	13 21 23.0 +1.5
comp=Z:4.6nm,0.8s					
ULN	Ulanbaatar	81.20 21	P	I Amb	13 21 24.1 +1.5
comp=Z:2.1nm,0.8s					
TORD	Torodi Ar. Bea	81.56 290	P	P	13 21 24.9 -0.3
comp=Z:0.9nm,0.8s,baz=78,slow=3.7,SNR=6.0					
KSRS	Korea Array	82.30 40	P	P	13 21 27.9 -0.7
comp=Z:1.2nm,0.7s,baz=234,slow=5.1,SNR=4.6					
ZAAO	Zalesov Array	82.33 6	P	P	13 21 28.5 +0.2
ZALV	Zalesov Array	82.33 6	P	P	13 21 27.3 -1.0
comp=Z:1.1nm,0.7s,baz=197,slow=3.1,SNR=5.3					
ARTI	Arti	85.41 351	P	P	13 21 45.3 +1.3
PAOL	Paolisi	86.51 319	P	P	13 22 00.7 +1.2
YKA	Yellowknife Ar	14.25 2	P	PKPbc	PKPbc
comp=Z:3.4nm,1.1s,baz=333,slow=3.7,SNR=26					

BDRS	Dareh Seyedi	2.65 93	Pn	Pb	13 42 44.3 -2.5
HAGD	Agardah	2.93 75	Pn	Pn	13 42 48.3 +2.7
IHSH	Hashtard	3.43 21	Pn	Pn	13 42 54.7 +2.2
CUKT	Cukurra	3.56 332	eP	Pn	13 42 54.9 +0.8
CUKT	Cukurra	3.56 332	S	Pn	13 42 53.9 -0.2
CUKT	Cukurra	3.56 332	Pn	Pn	13 42 53.9 -0.2
IAZR	Azarshahr	3.56 4	Pn	Pn	13 42 56.5 +2.2
QABG	Abgarm-Qazvin	3.56 42	P	Pn	13 42 56.8 +2.4
YOVA	Hakkari_Yksej	3.65 342	P	Pn	13 42 56.8 +1.2
YOVA	YOVA	3.72 69	Pn	Sn	13 43 04.8 +2.6
IRAZ	Razeghan	3.72 69	Pn	Sn	13 43 04.8 +2.6
AHWZ	Ahwaz	3.73 137	Pn	Pn	13 42 59.0 +2.7
HAKT	HAKKARIA	3.80 335	S	Pn	13 42 58.2 +0.8
HAKT	HAKKARIA	3.80 335	S	Pn	13 43 01.1 -0.3
ISRB	Sarab	4.03 23	Pn	Pn	13 43 02.8 +2.1
ITBZ	Tabriz	4.13 5	Pn	Pn	13 43 03.1 +1.1
ISHB	Shabestar	4.15 359	Pn	Pn	13 43 03.1 +0.6
JIRI	Jirandeh	4.24 51	Pn	Pn	13 43 05.5 +2.0
SIRT	Sirnak	4.29 323	Pn	Pn	13 43 04.0 -0.1
SIRT	Sirnak	4.29 323	eP	Pn	13 43 03.9 -0.2
SIRN	Sirnak	4.30 323	P	Pn	13 43 04.8 +0.5
SIRN	Sirnak	4.30 323	P	Pn	13 43 04.8 +0.5
IHRH	Heris	4.33 14	Pn	Pn	13 43 07.7 +1.8
IGVZ	Ghazvin	4.34 57	Pn	Pn	13 43 07.5 +2.0
IMHD	Mahdasht	4.38 68	Pn	Pn	13 43 07.7 +2.2
CSNI	Caspian	4.41 38	Pn	Pn	13 43 07.7 +2.2
COM	Gom	4.50 79	Pn	Pn	13 43 09.0 +1.8
IPIR	Iran	4.58 107	Pn	Pn	13 43 01.9 -9.0
IMRD	Marand	4.59 0	Pn	Pn	13 43 09.5 +1.2
PERV	Siirt/Pervari-	4.60 327	P	Pn	13 43 08.8 +0.4
PERV	PERV	4.60 327	S	Pn	13 43 06.1 -5.3
LUHZ	Lahijan - Gila	4.68 48	Pn	Pn	13 43 11.4 +2.0
GEVA	Gevas	5.01 30	Pn	Pn	13 43 10.9 +0.5
GEVA	Gevas	4.70 334	P	Pn	13 43 11.0 +1.2
GEVA	Gevas	4.70 334	S	Pn	13 44 00.4 +0.1
OZAP	Van, Ozalp-Mer	4.74 344	P	Pn	13 43 12.6 +2.2
OZAP	OZAP	4.74 344	S	Pn	13 44 05.4 +0.4
AKDM	Akdamar-Van	4.74 333	eP	Pn	13 43 11.6 +1.2
GAMS	Gams	4.76 33	Pn	Pn	13 43 12.6 +2.6
ZNGN	Zangian	4.77 133	Pn	Pn	13 43 12.0 +1.1
TVAN	Van	4.78 338	P	Pn	13 43 12.4 +1.5
TVAN	TVAN	4.78 338	S	Pn	13 44 04.3 -1.6
IHSB	Hasanabad	4.78 72	Pn	Pn	13 43 13.0 +2.1
MIYD	Mardin/Midiyat-	4.79 314	P	Pn	13 43 10.8 -0.3
MIYD	MIYD	4.79 314	S	Pn	13 43 12.5 +3.2
VANB	Van	4.84 338	eP	Pn	13 43 12.5 +0.8
VANB	VANB	4.84 338	Pn	Pn	13 43 13.4 +1.7
SRTM	Siirt_Merkez	4.93 323	P	Pn	13 43 13.2 +0.2
SRTM	SRTM	4.93 323	S	Pn	13 44 05.9 -3.6
SRTM	Siirt_Merkez	4.93 323	Pn	Pn	13 43 13.1 +0.2
TEHR	Tehran	4.95 69	Pn	Pn	13 43 15.7 +2.5
TEHA	Amirabad Tehra	4.95 69	Pn	Pn	13 43 14.5 +1.2
GASI	Astara - Iran	4.96 30	Pn	Pn	13 43 15.5 +2.3
IKLH	Kolohard	4.97 98	Pn	Pn	13 43 15.9 +2.3
KLST	Kelardash - M	5.00 60	Pn	Pn	13 43 16.2 +2.1
GRMI	Garm	5.02 32	Pn	Pn	13 43 16.0 +0.0
NAX	Nakhchivan	5.05 358	P	Pn	13 43 16.6 +2.0
IVRN	Varamin	5.06 78	Pn	Pn	13 43 16.8 +2.1
MARD	Mardin	5.12 310	Pn	Pn	13 43 15.1 -0.4
MARD	Mardin	5.12 310	P	Pn	13 43 15.1 -0.4
VMUR	Van-Muradiye	5.16 341	S	Pn	13 43 18.1 +2.0
VMUR	VMUR	5.16 341	S	Pn	13 43 19.3 +6.7
IBRJ	Brojén	5.17 114	Pn	Pn	13 43 18.1 +1.7
BLIS	Bitlis-Merkez	5.17 327	P	Pn	13 43 16.7 +0.4
BTMM	Batman	5.20 318	P	Pn	13 43 17.3 +0.6
BTMM	BTMM	5.20 318	S	Pn	13 44 11.1 -5.1
KBD	Kabd	5.21 160	S	Pn	13 43 18.5 +1.2
ABEH	Behbahan	5.21 313	Pn	Pn	13 43 18.6 +1.8
LKRN	Lerikeran, Azer	5.22 28	Pn	Pn	13 43 19.7 +2.9
ADKV	ADKVL Adilcevaz	5.26 334	Pn	Pn	13 43 19.9 +1.4
MAKU	Maku	5.29 351	Pn	Pn	13 43 19.9 +1.4
GURO	Guroymak-BITLI	5.32 327	Pn	Pn	13 43 18.5 +0.1
GURO	Guroymak-BITLI	5.32 327	eP	Pn	13 43 18.5 +0.1
MZPU	Pul - Mazandran	5.34 63	Pn	Pn	13 43 21.2 +2.6
KRSH	Karshahi	5.35 90	Pn	Pn	13 43 20.8 +2.0
IDMV	Damavand	5.41 73	Pn	Pn	13 43 21.8 +2.0
MAZI	Mazidag	5.41 310	eP	Pn	13 43 18.4 -1.2
MAZI	MAZI	5.41 310	Pn	Pn	13 43 19.1 +1.0
SVAN	Silvan-Diyarba	5.43 319	eP	Pn	13 43 19.2 -0.5
SVAN	Silvan-Diyarba	5.43 319	Pn	Pn	13 43 19.4 -0.3
ISFB	Sefidab	5.43 36	Pn	Pn	13 43 21.7 +1.9
IGAR	Gharneh	5.58 106	Pn	Pn	13 43 23.9 +1.8
MLAZ	Milaz-Mus	5.62 333	Pn	Pn	13 43 23.9 +1.8
DYDN	Diyadag	5.65 344	P	Pn	13 43 24.3 +1.4
IZEF	Zefreh	5.67 101	Pn	Pn	13 43 25.4 +2.0
MUSM	Mu-Merkez	5.70 325	P	Pn	13 43 22.7 -0.9
DORK	Agri/Tutak/Do	5.76 337	P	Pn	13 43 24.9 +0.5
IPRN	Peran	5.87 67	Pn	Pn	13 43 29.3 +3.8
AGRB	Hanur-Agry	5.88 390	Pn	Pn	13 43 29.3 +3.8
KLNJ	Kolanjan	5.88 120	Pn	Pn	13 43 26.6 +0.6
IGDI	IGDIR	5.89 348	P	Pn	13 43 28.1 +2.1
DIYA	Diyarbakir	5.90 312	Pn	Pn	13 43 24.5 -1.7
TASB	TASBURUN-IGDIR	5.97 349	eP	Pn	13 43 29.6 +2.4
IFIR	IFIR	6.00 73	Pn	Pn	13 43 29.1 +1.9
KOTA	Kariz-Merkez-K	6.02 341	Pn	Pn	13 43 28.1 +2.1
HANI	Diyarbakir_Han	6.06 317	Pn	Pn	13 43 28.4 0.0
GNI	Garni	6.07 353	Pn	Pn	13 43 28.9 +0.2
GNI	Garni	6.07 353	eP	Pn	13 43 31.1 +2.4
GNI	Garni	6.07 353	Pn	Pn	13 43 30.1 +1.5
comp=N:11nm,0.3s,baz=180,slow=2.1,SNR=5.5					
GNI	Garni	6.07 353	Lg	Lg	13 45 12.3
comp=N:23nm,0.3s,baz=294,slow=16,SNR=3.1					
GNI	Garni	6.07 353	LR	LR	13 46 20.6
comp=N:35nm,0.2s,baz=169,slow=44					
GNI	Garni	6.07 353	Pn	Pn	13 43 31.1 +2.4
comp=Z:255nm,1.0s					
GNI	Garni	6.07 353	P	Pmax	13 43 31.3 +2.7
IRAM	Rameshgher	6.07 110	Pn	Pn	13 43 29.9 +1.1
VRTB	Varto-Mus	6.08 327	eP	Pn	13 43 29.1 +0.3
VRTB	Varto-Mus	6.08 327	P	Pn	13 43 28.7 -0.1
ILAS	Lasjerd	6.11 77	Pn	Pn	13 43 31.1 +1.7
SLNH	Bingol, Solhan	6.12 323	P	Pn	13 43 29.2 -0.1
IALA	Alash	6.16 69	Pn	Pn	13 43 33.3 +3.3
EATA	Eleskirt	6.28 337	P	Pn	13 43 33.3 +1.6
BNGB	Bingol	6.32 322	eP	Pn	13 43 31.9 -0.2
KARO	Karlovva-Bingo	6.38 326	eP	Pn	13 43 33.6 +0.6
URFA	Urfa	6.50 303	eP	Pn	13 43 33.9 -0.5
DIGO	Dizil	6.55 344	P	Pn	13 43 31.7 +2.8
KOVA	Elazig, Kovanc	6.59 310	Pn	Pn	13 43 35.6 -0.1
KOPR	Koprukoy-ERZUR	6.62 333	eP	Pn	13 43 38.2 +2.0
HOMI	Horusan	6.65 334	Pn	Pn	13 43 38.1 +1.5
ECAT	Cat-ERZURUM	6.66 327	eP	Pn	13 43 37.2 +0.4
SVRC	Sivrice-ELAZIG	6.69 311	eP	Pn	13 43 36.5 -0.6
EJDE	Erzurum, Palan	6.70 330	Pn	Pn	13 43 35.5 +1.9
ERZM	Erzurum	6.74 330	Pn	Pn	13 43 40.2 +2.3
MNGR	Mingchevich, A	6.74 9	Pn	Pn	13 43 40.9 +3.3
ANAR	Anarak	6.76 96	Pn	Pn	13 43 39.9 +1.7
EAK	Aykaka	6.77 346	Pn	Pn	13 43 41.8 +3.6
KAZZ	Kazeron-Fars-I	6.78 130	Pn	Pn	13 43 39.6 +1.3
BOZK	Kars-Merkez-Bo	6.82 342	Pn	Pn	13 43 40.7 +1.8
KARS	Kars	6.83 343	Pn	Pn	13 43 38.7 -0.3
KARS	Kars	6.83 343	eP	Pn	13 43 41.5 +2.5
KARS	Kars	6.83 343	Pn	Pn	13 43 38.7 -0.3
IKIA	Kiasar	6.87 70	Pn	Pn	13 43 42.6 +2.9
IANJ	Anjali	6.90 76	Pn	Pn	13 43 41.7 +1.8
AKDA	Akdag	6.91 331	Pn	Pn	13 43 41.7 +1.5
PTK	Pertek	6.96 315	eP	Pn	13 43 40.3 -0.6
SENK	Senkaya-Erzuru	6.96 339	eP	Pn	13 43 4

2019 JAN

6d 13h

Table with columns: Country, Name, Date, Time, Status, and other identifiers. Includes entries for JRN, AFRZ, GOF, HDMB, BR131, etc.

Table with columns: Country, Name, Date, Time, Status, and other identifiers. Includes entries for SHUT, MZR, ASHO, ASHO, ELL, MDUB, MDUB, ALNE, ALNE, etc.

Table with columns: Country, Name, Date, Time, Status, and other identifiers. Includes entries for JLN, JLN, JLN, ALN, ALN, ALN, MHTO, MHTO, MHTO, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and Value. Includes entries like E24K Your Creek, F17K Baldwin Pennin, F17K Baldwin Pennin, F14K Arctic Creek, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and Value. Includes entries like I27K Kandik River, LMQ La Malbaie, J14K Nanvanarak Lak, etc.

Table with columns: ID, Name, Date, Time, Location, Status, and Value. Includes entries like M17K Holitna River, MENT Mentasta, MENT Mentasta, WAT6 Susitna Watana, etc.

6d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like HIN, RND, DHY, CNPM, IVE, KTH, etc.

IDC 06 13:54:17.7±1.7, 34.02N±45.49E, h0km, mb4.0/1.8, mbmp4.1/2.0, ML4.1/2, Error ellipse: s-maj=38.6km s-min=17.2km az=25.0

NEIC 06 13:54:19.9±0.9, 34.09N±0.06±45.51E±0.09, h7km, 4km, mb4.6/3.1, Error ellipse: s-maj=11.0km s-min=8.2km az=102.0

TEH 06 13:54:22.0, 34.23N±45.65E, h9km, 16km

ISN 06 13:54:22.5, 1.0, 34.24N±45.60E, h21km, km, ML3.8

ISC 06 13:54:20.9±0.5, 34.22N±0.03±45.61E±0.04, h10km, n75, s=120.7/9, mb4.4/3.1, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like GLG1, KGS1, ILBA, IDHR, etc.

2019 JAN

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like RAFI, MAHB, BDRS, etc.

IDC 06 13:55:04.2±0.9, 34.10N±45.52E, h0km, mb4.0/2.0, mbmp4.1/2.9, ML4.1/8, Error ellipse: s-maj=18.3km s-min=13.4km az=174.0

TEH 06 13:55:06.7, 34.13N±45.58E, h8km, 51km

NEIC 06 13:55:06.7±1.7, 34.08N±0.07±45.6E±0.1, h10km, 1km, mb4.6/3.2, Error ellipse: s-maj=15.0km s-min=11.0km az=96.0

ISN 06 13:55:08.3, 1.2, 34.27N±45.64E, h15km, 8km, ML4.2

MAO 06 13:55:10.7, 34.52N±45.85E, h39m, mb3.7

OMAO 06 13:55:14.9, 1.2, 33.62N±46.31E, h10km, mb4.5/1.0, Error ellipse: s-maj=20.6km s-min=9.6km az=37.0

ISC 06 13:55:06.2±0.4, 34.15N±0.03±45.65E±0.03, h10km, n107, s=213/115, mb4.2/2.9, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like GLG1, KGS1, ILBA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like SNQR, SDSL, RAFI, etc.

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6rd 14h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KARP, SMDO, WSAR, JMDO, NGCH, WBK, NE56, TIRR, JLJN, MHTO, DOK, etc.

2019 JAN

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like DEV, MARR, DZAK, MDVI, KK31, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SVE, SVRN, NRYN, IGIN, BEL, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like KURBB, MOTA, KURK, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like RJF, KMB, SKAR, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for stations like CHTO, CMAR, KMI, etc.

Table with 5 columns: Station Name, Time, Res, ISC, and other details. Includes stations like B21K Ikipuk River, C20K Itkiliik River, R23G Red Dog Mine, etc.

Table with 5 columns: Station Name, Time, Res, ISC, and other details. Includes stations like COLA College, J19K Poorman, J20K Nowinta River, etc.

Table with 5 columns: Station Name, Time, Res, ISC, and other details. Includes stations like KLU Klutina, RC01 Rabbit Creek A, YUK3 Moose Creek, etc.

TEH 06 14:20:38.4, 34.12N:45:52E, h11km, 45km
ISC 06 14:20:39.9, 1.34, 13N:45:53E, h19km, 9km, ML3.4
Code Station Name Δ° AZ° Phase ID Time Res h m s ISC

Table with columns: IDBR, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Badra, Cheshme Sefid, Baghdad, Lien, Kirkuk, Sonqor, Kerman, Saradsht, Doab, Rafai, Al-Rafai, Samen, Mahabad, Dareh Seyedi, Abqarim-Qazvin, Shabestar.

IDC 06 14:25:28.0±0.9, 7.23S, 128.26E, h0km, mb4.0/8, mbmp4.0/13, ML3.9/5, Error ellipse: s-maj=34.1km s-min=17.9km az=72.0
DJA 06 14:25:32.8±1.8, 7.3±1.2°E, h15km, M4.4/15, mB5.2/1, mb4.4/9, MLV4.4/15, Mw(m)B4.7/1
NEIC 06 14:25:34.9±2.0, 7.30S, 0.08±128.14E, 0.06, h46km±10km, mb4.2/7, Error ellipse: s-maj=11.3km s-min=8.7km az=164.0

ISC 06 14:25:30.7±0.6, 7.28S±0.05, 128.16E±0.06, h10km, n59, ±2545/64, mb4.1/9, Banda Sea

Main station list for the left column, including SAUI, BNDI, BNDI, KAI, NLAI, SOEI, SOEI, SOEI, BATI, BATI, BATI, SANI, SANI, DRS, BBSI, FAKI, FAKI, MMRI, MTN, MTN, KDI, KDI, BSSI, LUWI, BKSI, KNRA, KAPI, SPSI, FITZ, FITZ, FITZ, FITZ, TOLIZ, WRO, WRA, WRA, WRA, WBA, MBWA, COEN, COEN, PSAAO, AS31, ASAR, ASAR, ASAR, ASO1, QIS, WRKA, MTSU, MEEK, OOD, INKA, MORW, LCRK, BLDU, BBOO, BBOO, STKA, CMSA, ARPS, CMAR, SONM, MKAR, ZALV, KURBB, BVAR, BRVK, BRVK, TIXI, TIXI, TIXI, TIXI, UMZA, ARQ, GLG1, KGS1, KGS1, ILBA, IDHR, IDBR, JMDJ.

Table with columns: IDBR, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like comp=N,366nm,0.4s, BHD, BHD, IKRK, IKRK, comp=N,231nm,0.5s, IDC 06 14:29:21.7±1.1, 33.95N, 45.27E, h0km, mb3.8/14, mBmp3.9/20, ML3.7/6, MS3.9/1, Error ellipse: s-maj=21.0km s-min=16.9km az=15.0, TEH 06 14:29:24.9±3.4, 11N±45.60E, h8km±29km, ISN 06 14:29:26.1±0.9, 34.14N±45.58E, h24km±6km, ML4.1, NEIC 06 14:29:26.2±1.1, 34.23N±0.06±45.5E±0.1, h10km±2km, mb4.1/14, Error ellipse: s-maj=17.2km s-min=9.3km az=280.0, OMAN 06 14:29:31.2±1.2, 33.79N±46.30E, h10km, mb4.3/28, Error ellipse: s-maj=16.4km s-min=9.5km az=46.0, ISC 06 14:29:24.3±0.4, 34.07N±0.03±45.60E±0.03, h10km, n118, ±2555/135, mb3.9/17, Iran-Iraq border region

Main station list for the middle column, including GLG1, KGF, BHD, LIEN, IKRK, SNQR, IKFM, SDSA, IKRK, RAFI, HSAM, MAHB, BDRS, HAGD, IHSH, ISRB, SIRT, JIRI, HRS, GEVA, IKLH, MARD, KLST, VFRM, KBD, KBD, IBRJ, GUFU, ZEFRE, GNI, ASF, ASF, MMAI, SHMA, SHMA, KBZ, SMRA, SMRA, TRNA, TRNA, RAYN, RAYN, JRN, SLWR, SLWR, SHME, SHME, SHME, SHME, BANOM, BANOM, BANOM, AJN, AJN, MZWR, MZWR, NAZ, NAZ, NAZ, MASF, MASF, MASF, ASUD, ASUD, ASUD, FAQ, FAQ, FAQ, MDH, MDH, UOSS, UOSS, UOSS, HATD, HATD, HATD, MZR, MZR, MZR, ASHO, ASHO, ASHO, ALNE, ALNE, ALNE, JASK, SOHO, SOHO, SOHO, UMZA, UMZA, ARQ, ARQ, ARQ, HQY, BSQ, SMDO, WSAR, JMDJ.

Main station list for the right column, including ALN, ALN, ALN, JLN, DOK, RBK, DMTO, BELG, AKTO, KBL, KBL, SIMJ, CHGR, CHGR, GAR, GAR, BUR08, AKASG, AKASG, AKKB, AKKB, KIEV, KIEV, KIEV, KIEV, ARTI, ARTI, BVAR, MKRBT, MKRBT, FINES, FINES, MK31, MK31, MKR, MKR, HFS, HFS, WMQ, WMQ, ZALV, ZALV, LVZ, NC303, ARCES, ARCES, EKA, EKA, TORD, TORD, SPITS, PZH, PZH, CMAR, HHC, HHC, HHC, KRSR, KRSR, WEL, MXZ, HAZ, HAZ, WMGZ, WMGZ, WMGZ, PUGZ, PUGZ, PUGZ, OPZR, OPZR, URZ, URZ, URZ, TKGZ, TKGZ, CNGZ, RIGZ, RIGZ, RIGZ, MUGZ, MUGZ, RTZ, RTZ, SNGZ, SNGZ, SNGZ, PRGZ, PRGZ, KNZ, KNZ, MTHZ, MTHZ, MHGZ, WHHZ, WHHZ, MRHZ, TLZ, NMHZ, NMHZ, ARHZ, ARHZ, BKZ, BKZ, MCHZ, MCHZ, KRHZ, KRHZ, KRHZ, PAXZ, PAXZ, PNHZ, PVHZ, DJA, IDC, NEIC.

az=69.0
ISC 06 14:34:39.8±0.5, 5.81N, 0.05±126.85E, 0.08, h85km, n66,
α133/72, mb4.3/33, Mindanao

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
DAV	Davao City (W)	1.78 315	Pn	Pn	14 35 07.9 -1.0	
DAV	Davao City (W)	1.78 315	Pn	Pn	14 35 08.6 -0.3	
DAV	200nm, 0.3s, baz=221, slow=1.8, SNR=4.6					
SGSI	Sangihe	2.48 212	S	Sn	14 35 53.8 +6.0	
TNTI	Ternate	5.03 174	Pn	Pn	14 35 52.0 +0.2	
TNTI	Ternate	5.03 174	P	Pn	14 35 53.9 +1.1	
KMINSO	Cibinong	5.93 209	P	Pn	14 36 06.1 +1.0	
MRSI	Marisa	7.21 223	P	Pn	14 36 22.5 -0.1	
TOL2	Tolitoli	7.64 233	Pn	Pn	14 36 26.9 -1.5	
SANI	Sanana	7.85 186	P	Pn	14 36 31.8 +0.5	
SANI			S	Sn	14 37 50.8 -7.8	
LUWI	Luwuk	7.93 211	P	Pn	14 36 33.0 +0.7	
MYLDM	Lahad Datu	8.33 266	Pn	Pn	14 36 38.9 +1.1	
KAPI	Kappang	12.87 214	P	Pn	14 37 38.8 -0.7	
YULB	Yu-li	18.28 344	Iamb	Iamb	14 38 47.0 +0.1	
YULB			Iamb	Iamb	14 38 53.6	
TPUB	Ta-pu	18.39 342	P	Pn	14 38 48.4 +0.2	
TPUB			Iamb	Iamb	14 39 26.4	
KNRA	Kununurra	21.43 175	P	P	14 39 21.2 +0.2	
KNRA			Iamb	Iamb	14 39 25.4	
FITZ	Fitzroy Crossi	23.78 183	P	P	14 39 44.5 -0.2	
COEN	Coen	25.46 141	P	P	14 40 01.5 +1.4	
COEN			Iamb	Iamb	14 40 39.3	
KULM	Kulim	26.08 270	P	P	14 40 04.4 -1.3	
KULM			Iamb	Iamb	14 40 36.7	
WB0	Warramunga Arr	26.48 164	P	P	14 40 10.3 +1.1	
WB0			Iamb	Iamb	14 40 18.8	
XMIS	Christmas Isla	26.59 233	P	P	14 40 07.6 -2.7	
WRM	Warramunga Arr	26.63 164	P	P	14 40 10.1 -0.5	
WRM			Iamb	Iamb	14 40 10.3 +1.9	
WRM			ScP	ScP	14 40 07.3 +1.9	
WRM			ScP	ScP	14 40 07.3 +1.9	
WB2	Warramunga Arr	26.63 164	P	P	14 40 11.0 +0.4	
ASAR	Alice Springs	30.09 167	P	P	14 40 42.2 +0.8	
ASAR			Iamb	Iamb	14 43 45.2 +1.1	
ASAR			ScP	ScP	14 47 17.8 +1.6	
ASAR			ScP	ScP	14 47 17.8 +1.6	
FORT	Forrest	36.40 178	P	P	14 41 36.8 +0.7	
USRK	Ussuriysk Arr	38.51 6	P	P	14 41 54.8 +1.0	
USRK			Iamb	Iamb	14 42 02.2 +0.9	
BBOO	Buckleboe	39.39 168	P	P	14 42 02.2 +0.9	
BBOO			Iamb	Iamb	14 42 29.3	
STKA	Stephens Creek	40.03 160	P	P	14 42 07.8 +1.2	
STKA			Iamb	Iamb	14 42 07.8 +1.2	
SONM	Songino Array	45.38 341	P	P	14 42 50.1 +0.2	
SONM			Iamb	Iamb	14 42 50.1 +0.2	
MK31	Makanchi Array	55.93 324	P	P	14 44 09.1 -1.1	
MK31			Iamb	Iamb	14 44 11.4	
MKAR	Makanchi Array	55.93 324	P	P	14 44 08.1 -1.1	
MKAR			Iamb	Iamb	14 44 07.4 +0.6	
MAKZ	Makanchi	56.12 324	P	P	14 44 10.7 +0.2	
MAKZ			Iamb	Iamb	14 44 12.7	
KDJ	Kajisay	56.89 317	P	P	14 44 16.9 +0.7	
KDJ			Iamb	Iamb	14 44 29.6	
MIDW	Midway	57.25 60	P	P	14 44 18.1 -0.7	
ZALV	Zalesovo Beam	58.81 332	P	P	14 44 27.6 -1.5	
KURK	Kurchatov	60.07 327	P	P	14 44 37.7 -0.2	
KURB	Kurchatov Arra	60.07 327	P	P	14 44 38.4 +0.5	
KURB			Iamb	Iamb	14 44 38.4 +0.5	
KKAR	Karatay Array	61.81 316	P	P	14 44 49.1 -0.8	
BVAR	Borovoye Array	65.66 326	P	P	14 45 14.6 -0.4	
BVAR			Iamb	Iamb	14 45 14.6 -0.4	
BRVK	Borovoye	65.73 326	P	P	14 45 15.2 -0.3	
TIXI	Tiksi	65.78 1	P	P	14 45 15.6 +0.3	
NRIK	Noril'sk	66.45 346	P	P	14 45 32.8 +0.4	
NRIK			Iamb	Iamb	14 45 32.8 +0.4	
ABKR	Akbulak array	70.63 320	P	P	14 45 45.7 -0.4	
AKTO	Aktyubinsk	72.12 321	P	P	14 45 55.5 +0.5	
AKTO			Iamb	Iamb	14 45 55.5 +0.5	
ARTI	Arti	73.34 327	P	P	14 46 01.6 -0.6	
ARTI			Iamb	Iamb	14 46 03.1	
ARTI			Iamb	Iamb	14 46 01.8 -0.4	
F17K	Baldwin Pennin	77.51 23	P	P	14 46 26.4 +0.6	
KDAK	Kodjak IOL	80.19 32	P	P	14 46 40.5 +0.4	
B21K	Ikpikpuk River	80.60 20	P	P	14 46 43.9 +1.3	
BHD	Bahig		Iamb	Iamb	14 46 50.0	
H21K	Melozitna Rive	80.76 24	P	P	14 46 44.4 +0.7	
H21K			Iamb	Iamb	14 46 53.5	
CAST	Castle Rocks	80.84 27	P	P	14 46 44.8 +0.7	
BPBW	Bar Paw Mtn.	81.38 26	P	P	14 46 47.8 +0.8	
C23K	Itkillik River	82.01 20	P	P	14 46 51.0 +0.8	
C23K			Iamb	Iamb	14 46 51.4	
KNK	Knik Glacier	82.39 29	P	P	14 46 53.1 +0.8	
SCM	Sheep Creek M	82.94 28	P	P	14 46 55.5 +0.5	
ILAR	Eielson Array	83.19 26	P	P	14 46 56.4 0.0	
ILAR			Iamb	Iamb	14 46 56.4 0.0	
GLB	Gilahina Butte	84.63 29	P	P	14 47 04.0 +0.2	
GLB			Iamb	Iamb	14 47 06.1	
VNDA	Vanda	85.46 173	P	P	14 47 07.1 -0.4	
VNDA			Iamb	Iamb	14 47 17.7	
F28M	Old Crow	85.93 23	P	P	14 47 10.2 0.0	
F31M	Tsigichent	88.28 22	P	P	14 47 21.4 -0.1	
F31M			Iamb	Iamb	14 47 41.2	
ARCES	ARCES Array B	88.55 340	P	P	14 47 21.5 -1.2	
ARCES			Iamb	Iamb	14 47 21.5 -1.2	
BRTR	Keskin Array B	88.79 310	P	P	14 47 23.9 -0.8	
BRTR			Iamb	Iamb	14 47 23.4 -1.3	
FINES	FINES Array B	90.07 332	P	P	14 47 28.9 -1.0	
FINES			Iamb	Iamb	14 47 28.9 -1.0	
AKASG	Malin Array Be	90.36 321	P	P	14 47 30.7 -0.8	
AKASG			Iamb	Iamb	14 47 30.7 -0.8	
HFS	Hagfors	96.24 332	P	P	14 47 57.7 -0.7	
HFS			Iamb	Iamb	14 47 57.7 -0.7	
TORD	Tordj Arr. Bea	127.36 289	PKP	PKPdf	14 53 26.0 -0.1	
TORD			Iamb	Iamb	14 53 26.0 -0.1	

s-min=19.9km az=76.0
ISC 06 14:35:07.1±1.3, 25.55N, 0.2±141.3E, 0.03, h98km, n12,
α1501/9, mb3.6/8, Volcano Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
KSRS	Korea Array	16.46 320	P <td>P</td> <td>14 38 52.9 -0.1</td> <td></td>	P	14 38 52.9 -0.1	
KSRS	0.1nm, 0.3s, baz=135, slow=12, SNR=9.9					
H1N1	WAKE ISLAND Hy 24.32	98	T	T	15 05 26.1	
H1N2	WAKE ISLAND Hy 24.32	98	T	T	15 05 32.9	
H1N3	WAKE ISLAND Hy 24.32	98	T	T	15 05 28.2	
SONM	Songino Array	35.32 318	P	P	14 41 53.2 +0.3	
WRA	Warramunga Arr	45.68 189	P	P	14 43 18.2 0.0	
ZALV	Zalesovo Beam	50.16 320	P	P	14 43 52.7 +0.2	
MKAR	Makanchi Array	50.87 311	P	P	14 43 58.0 0.0	
KURB	Kurchatov Arra	53.58 315	P	P	14 44 18.0 +0.2	
BVAR	Borovoye Array	56.87 318	P	P	14 44 55.2 +1.1	
YKA	Yellowknife Arr	73.92 28	P	P	14 46 31.9 +0.7	
FINES	FINES Array B	79.00 334	P	P	14 46 57.9 -2.0	
FINES			Iamb	Iamb	14 46 57.9 -2.0	
<p>ISC 06 14:39:29.7±0.2, 37.17N, 142.40E, h0km, mb3.3/3, mbmp3.3/5, ML2.8/2, Error ellipse: s-maj=38.4km s-min=29.4km az=87.0 JMA 06 14:39:30.9±0.3, 37.3N, 0.5±142.2E, h15km, 3km, mbmp3.9/6, E OFF FUKUSHIMA PREC ISC 06 14:39:31.6±1.4, 37.31N, 0.0±142.26E, 0.08, h10km, n24, α1505/22, mb3.4/3, Off east coast of Honshu</p>						
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
JFK	Kawachi	1.11 274	Op	ISC	h m s	ISC
JMST	Minamisumoto	1.17 291	eS	Sb	14 40 08.5 -0.6	
JKH	Ishinomakibou	1.19 238	eS	Sb	14 40 09.1 -1.0	
ONAJ	Iwakimizuishi	1.19 261	P	Pb	14 39 53.2 -1.0	
JMM	Marumori	1.29 296	P	Pb	14 39 54.8 -0.9	
JIO	Ouri	1.36 328	eS	Sb	14 40 12.9 +0.2	
JOTO	OTAMA OYAMA	1.56 280	P	Pn	14 39 59.5 +0.2	
JOU	Okura	1.65 310	eS	Sn	14 40 07.7 +0.1	
JOU			eS	Sn	14 40 21.7 -0.1	
JMK	Ichinoseki	1.84 334	P	Pb	14 40 03.3 +0.2	
JYS	Shirataki	1.97 298	P	Pb	14 40 06.4 -1.1	
JFY	Yanaiyu	2.04 274	eS	Pn	14 40 06.5 +0.5	
JFY	Kaneyama	2.20 318	eP	Pn	14 40 02.3 -0.3	
JOM	Ohasama	2.29 341	eP	Pn	14 40 10.2 +0.8	
MMAR	Matsushiro Arr	3.34 258	Pn	Pn	14 40 23.1 -0.7	
MMAR			Sn	Sn	14 41 06.3 +2.8	
ASAJ	Asahikawa	6.81 2	Pn	Pn	14 41 11.8 +0.4	
ASAJ			Pn	Pn	14 41 11.8 +0.4	
H1N2	WAKE ISLAND Hy 27.71	122	T	T	15 14 28.9	
H1N1	WAKE ISLAND Hy 27.72	122	T	T	15 14 28.8	
H1N3	WAKE ISLAND Hy 27.72	122	T	T	15 14 34.6	
H1S1	WAKE ISLAND Hy 28.45	124	T	T	15 15 25.1	
H1S3	WAKE ISLAND Hy 28.45	125	T	T	15 15 25.3	
H1S2	WAKE ISLAND Hy 28.46	125	T	T	15 15 26.4	
MKAR	Makanchi Array	45.55 302 <td>P</td> <td>P</td> <td>14 47 45.7 +2.2</td> <td></td>	P	P	14 47 45.7 +2.2	
KURB	Kurchatov Arra	46.37 308 <td>P</td> <td>P</td> <td>14 47 58.0 +0.3</td> <td></td>	P	P	14 47 58.0 +0.3	
WRA	Warramunga Arr	57.43 189 <td>P</td> <td>P</td> <td>14 49 19.4 -1.1</td> <td></td>	P	P	14 49 19.4 -1.1	
WRA			Iamb	Iamb	14 49 19.4 -1.1	
<p>ISC 06 14:44:46.1±0.8, 34.12N, 45.54E, h14km, 21km, ML2.9 TEH 06 14:44:46.0, 34.14N, 45.57E, h10km, 134km ISC 06 14:44:46.3±1.0, 34.14N, 0.0±45.57E, 0.04, h15km, 10km, n9, α62/14, Iran-iraq border region</p>						
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
GLG1	Gilan-e-Gharb	0.28 96	Op	ISC	h m s	ISC
GLG1			Pg	Pg	14 44 52.2 -0.2	
KGS1	Ghasr-e-Shirin	0.36 2	Pg <td>Pg</td> <td>14 44 53.6 -0.2</td> <td></td>	Pg	14 44 53.6 -0.2	
KGS1			Pg	Pg	14 44 59.6 +0.7	
ILBA	Ilam Banvizeh	0.74 134	Pg <td>Pb</td> <td>14 45 00.3 -0.5</td> <td></td>	Pb	14 45 00.3 -0.5	
IGHG	Ghaleghazi	0.85 77	Pg <td>Pb</td> <td>14 45 03.1 +0.3</td> <td></td>	Pb	14 45 03.1 +0.3	
IDHR	Badra	1.07 164	eP <td>Pn</td> <td>14 45 02.4 -0.9</td> <td></td>	Pn	14 45 02.4 -0.9	
IDBR	Dehrah	1.07 164	eP <td>Sn</td> <td>14 45 07.0 +0.2</td> <td></td>	Sn	14 45 07.0 +0.2	
IDBR	Badra	1.11 166	eP <td>Pg</td> <td>14 45 21.0 -0.4</td> <td></td>	Pg	14 45 21.0 -0.4	
IDBR			eSg	Sn	14	

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KCHF, BHD, ILIN, IKRK, etc.

IDC 06 15:05:17.6.1.2.25.63N.141.44E, h0km, mb3.6/6, mbmp3.5/7, ML3.1/1, MS4.0/2, Error ellipse: s-maj=49.2km s-min=22.4km az=80.0

ISC 06 15:05:30.1.1.2.25.68N.02.141.1E.0.3, h10km, n15, a=152/7, mb3.5/6, Volcano Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KSRS, H11N2, H11N1, H11N3, etc.

ISN 06 15:18:46.3.0.7.34.13N.45.60E, h9km, 4km, ML3.0 TEH 06 15:18:47.4.34.13N.45.63E, h8km, 32km

ISC 06 15:18:47.9.0.9.34.13N.0.03.45.63E.0.04, h10km, n14, a=118/13, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GLG1, KGS1, ILBA, etc.

SNET 06 15:31:39.9.1.6.13.14N.89.65W, h31km, ML3.9 GCG 06 15:31:40.8.0.9.13.16N.89.71W, h28km, 5km, MD4.1

CATAC 06 15:31:44.0.0.8.13.16N.8.9.0W, h28km, 3km, M3.6/27, MLV3.6/27, Error ellipse: s-maj=18.1km s-min=6.6km

ISC 06 15:31:45.1.1.7.13.23N.0.07.89.57W.0.05, h22km, 14km, n74, c=94/89, SD, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LALI, LALI, LALI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LOAL, SNVI, SLOZ, etc.

IDC 06 15:33:08.3.6.1.20.29S.176.36W, h0km, mb3.6/2, mbmp3.6/2, Error ellipse: s-maj=303.1km s-min=91.8km az=155.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAR, WRA, AKASO, etc.

UCR 06 15:33:22.8.1.3.8.37N.82.69W, h28km, 3km, MW3.5 UPA 06 15:33:22.8.0.4.8.41N.82.68W, h34km, 2km, MD3.4

ISC 06 15:33:22.6.1.1.8.37N.0.05.82.68W.0.03, h32km, 7km, n19, c=106/35, 2C-3D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LPPC, LPPC, DVD, etc.

IDC 06 15:38:24.7.2.7.1.76S.135.92E, h0km, mb3.6/2, mbmp3.8/4, ML3.5/2, Error ellipse: s-maj=89.2km s-min=19.5km az=85.0

DJA 06 15:38:27.0.3.2.2.5S.13.6E, h10km, M4.1/6, MLV4.1/6 ISC 06 15:38:28.0.9.1.65S.0.08.135.65E.0.04, h21km, n10, a=102/14, Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SRP1, SRP1, SRP1, etc.

ISN 06 15:38:37.5.1.3.34.14N.45.54E, h6km, 25km, ML2.7 TEH 06 15:38:39.0.34.10N.45.59E, h8km, 45km

ISC 06 15:38:39.1.0.34.11N.0.04.45.59E.0.04, h10km, n11, a=103/14, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GLG1, KGS1, ILBA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IKFM, HAGD, etc.

KRSC 06 15:41:03.3.1.0.55.34N.164.42E, h48km, 25km, ML3.5 IDC 06 15:41:08.1.1.6.55.69N.163.40E, h0km, mb3.3/3, mbmp3.3/4, ML2.6/1, MS4.0/1, Error ellipse: s-maj=139.0km s-min=24.5km az=143.0

ISC 06 15:41:09.2.1.0.55.55N.0.06.163.59E.0.08, h10km, n28, a=176/26, mb3.3/3, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KBTR, KBTR, KBG, etc.

H11N2 WAKE ISLAND Hy 35.84 175 T 16 26 05.7 H11N3 WAKE ISLAND Hy 35.86 175 T 16 26 04.3

H11N1 WAKE ISLAND Hy 35.86 175 T 16 26 03.5 YKA Yellowknife Arr 39.97 46 P 15 48 43.6 +0.3

FRB Froisher Bay 54.42 26 LR 16 18 36.0 TXAR Lajitas Array 67.84 70 P 15 52 08.8 +1.3

IDC 06 15:47:46.9.14.0.17.04S.167.13E, h0km, mb4.0/3, mbmp3.4/4, ML3.4/1, Error ellipse: s-maj=24.2km s-min=38.0km az=67.0

NOU 06 15:47:48.1.17.12S.167.23E, h0km, MLV4.3/9, Vanuatu Islands NEIC 06 15:47:50.8.1.2.17.25S.166.9E.0.2, h10km, 9km, mb4.3/7, Error ellipse: s-maj=32.8km s-min=21.1km az=56.0

ISC 06 15:47:49.1.4.1.17.05S.167.27E.0.08, h25km, n117, a=112/18, mb4.2/7, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DVP, DVP, DVP, etc.

AS31 Alice Springs 31.94 252 P 15 54 13.0 +0.1 ASAR Alice Springs 31.94 252 P 15 54 13.3 +0.2

KNRA Kununurra 36.94 266 P 15 54 56.1 -0.4 MOS 06 15:51:42.6.1.1.54.80N.164.71E, h41km, mb4.6/18, Error ellipse: s-maj=6.6km s-min=5.6km az=90.4

KRSC 06 15:51:44.5.1.3.54.70N.164.65E, h43km, 26km, ML4.4 IDC 06 15:51:44.5.0.7.54.93N.164.69E, h0km, mb4.1/22, mbmp4.1/24, ML4.6/1, Error ellipse: s-maj=19.4km s-min=15.1km az=151.0

NEIC 06 15:51:45.0.9.54.9N.0.1.164.6E.0.1, h10km, 1km, mb4.5/32, Error ellipse: s-maj=22.1km s-min=5.8km az=140.0

ISC 06 15:51:45.8.2.4.54.73N.0.05.164.73E.0.05, h13km, 15km, n159, a=111/175, mb4.4/50, 8C-8D, Komandorsky Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BKI, Bering, Bering, etc.

6d 15h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like NLC Nalytchevo, ESO Esso, AVH Avacha, etc.

2019 JAN

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BVAR Borovoye, BRVK Borovoye, PZH PanZhihua, etc.

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Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BKI Bering, BKTR Krutoberegovo, KMNK Kamenistaya, etc.

MOS 06 15:55:08.0, 8.54:86N; 164:68E, h45km, mb4.5/21, Error ellipse: s-maj=7.3km s-min=6.1km az=93.3
IDC 06 15:55:10.3, 0.7, 54:98N; 164:66E, h0km, mb4.1/23,

6d 16h

Table with columns for station name, frequency, power, and signal quality. Includes stations like BCLA Clavier, HAU Haudompre, RCHB Rochefort, etc.

2019 JAN

Table with columns for station name, frequency, power, and signal quality. Includes stations like SUMG Summit, ESDC Sonseca Array, PAB San Pablo, etc.

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Table with columns for station name, frequency, power, and signal quality. Includes stations like F19K Shalerukic Mo, DY2G Dye2, RES Resolute Bay, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like PRP Porcupine Dome, CAST Castle Rocks, L19K White Mountain, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like N25K Chitina, Valde, FRB Froisher Bay, M27K Edge Creek, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like CTA Charters Tower, CTAO Charters Tower, SUR Sutherland, etc.

Technical notes and coordinates: IDC 06 16:28:11.6:1.6, 12.6'AS:75.50W, h116km;1.7km, mb3.3/2, mltmp3.74, Error ellipse: s-maj=38.1km s-min=19.3km. ISC 06 16:28:11.1:1.1, 12.6S:02:75.4W:0.1, h100km, n6, e134.8, Central Peru.

Technical notes and coordinates: ISN 06 16:39:56.4:1.2, 34.1'18N:45.82E, h32km, 36km, ML2.7. TEH 06 16:39:56.5, 34.12N:45.54E, h10km, 316km. ISC 06 16:39:56.7:1.4, 34.13N:0.05:45.60E:0.07, h10km;13km, n8, e190.1/11, Iran-Iraq border region.

Technical notes and coordinates: KRNET 06 16:45:22.0:1.9, 39.90N:77.48E, mb3.1. SOME 06 16:45:22.9, 40.03N:77.63E, h5km. NNC 06 16:45:24.0:1.3, 40.03N:77.53E, h6km, mb3.7, mpv3.4. Error ellipse: s-maj=8.7km s-min=7.6km sz=161.0. ISC 06 16:45:25.3:1.8, 39.97N:0.07:77.52E:0.05, h10km, n46, e192.7/5, 32C-9D, Southern Xinjiang.

Table with columns: Station Name, Frequency, Class, and Signal. Includes stations like TWG, GUMO, YOH, etc.

Table with columns: Station Name, Frequency, Class, and Signal. Includes stations like IPM, ASAR, PSI, etc.

Table with columns: Station Name, Frequency, Class, and Signal. Includes stations like CM31, CMAR, CHTO, etc.

Table with columns for station call signs (DZM, ZM, DZM, etc.), frequencies, and signal quality indicators. Includes stations like Norfolk Island, Tasmania Unive, and various regional stations.

Table with columns for station call signs (NFK, CIT, ZEA, etc.), frequencies, and signal quality indicators. Includes stations like Norfolk Island, Zeya, and various regional stations.

Table with columns for station call signs (MKAR, JASL, PRZ, etc.), frequencies, and signal quality indicators. Includes stations like Makanchi, Kashi, and various regional stations.

6d 17h

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like INZ, MRNZ, CHKK, etc.

2019 JAN

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like AFI, SEY, CHGR, etc.

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Table with columns for call sign, frequency, mode, and other parameters. Includes stations like SHME, ALNE, NRIK, etc.

DBG	Daneborg	100.92 351	i P	Pdif	17 41 01.7	-1.6
DBG	comp=Z,19um,30.3s		IAMS_20	IAMS_20	18 26 43.1	
MOL	Moide	100.96 336	eP	Pdif	17 41 07.4	+3.7
MOL	comp=Z,1um,4.0s		IvMBB		17 41 09.0	
MOL			eSKSac	SKSac	17 51 41.8	+3.1
MOL			IVMS_BB	IVMS_BB	18 27 19.6	
KSP	Ksiaz	100.96 323	eS	Pdif	17 41 05.6	+1.6
KSP	comp=Z,10um,23.5s		eS	Sdif	17 52 37.1	-1.6
KSP			eL	L	18 27 39.0	
MDS	Modra-Piesok	101.07 320	i P	Pdif	17 41 09.5	+5.0
MDS	comp=Z,33um,27.6s		ePDIFF	Pdif	17 41 08.5	+5.0
DPC	Dobruska-Polom	101.09 322	ePDIFF	Pdif	17 41 07.2	+2.4
DPC			eSKS	SKSac	17 51 38.2	-1.8
DPC			AMS	AMS	18 27 50.0	
DPC	Dobruska-Polom	101.09 322	i P	Pdif	17 41 07.0	+2.4
DPC	comp=Z,21um,28.2s		e	e	17 51 38.2	
OSTC	Ostas	101.09 322	ePDIFF	Pdif	17 41 09.4	+4.8
OSTC			eSKS	SKSac	17 51 38.7	-1.3
OSTC			i P	Pdif	17 41 09.4	+4.8
OSTC			e	e	17 41 38.7	
OSTC	Boshof	101.16 241	i P	Pdif	17 41 06.7	+1.2
BOSA	comp=Z,6.2nm,0.9s,baz=98,slow=8.6,SNR=4.8		eP	Pdif	17 41 08.3	+3.8
JNW	Jan Mayen West	101.18 346	eSP	SP	17 54 10.5	+0.6
JNW			IVMS_BB	IVMS_BB	18 24 52.0	
CHVC	Chvalec	101.18 323	ePDIFF	Pdif	17 41 09.0	+4.0
CHVC	comp=Z,30um,26.5s		AMS	AMS	18 28 20.0	
CHVC	Chvalec	101.18 323	i P	Pdif	17 41 09.0	+4.0
CHVC	comp=Z,30um,26.5s		MLR	MLR		
VRAC	Vranov	101.23 321	ePDIFF	Pdif	17 41 06.7	+1.5
VRAC	comp=Z,30um,26.5s		eSKS	SKSac	17 51 43.2	+2.6
VRAC			eSDIFF	Sdif	17 52 41.1	0.0
UPC	Ujpec	101.23 322	AMS	AMS	18 28 00.0	
NLWA	Neilton Lookou	101.33 41	IAMS_20	IAMS_20	18 16 53.4	
KONO	Kongsberg	101.36 333	i P	Pdif	17 41 04.6	-0.9
KONO	comp=Z,8um,22.0s		IvMB_BB		17 41 08.3	
KONO			ePP	PP	17 45 21.4	+6.5
KONO			eSKSac	SKSac	17 51 39.3	-1.4
KONO			IVMS_BB	IVMS_BB	17 59 51.2	+9.0
KONO			IVMS_BB	IVMS_BB	18 27 03.5	
AKN	Aaknes	101.37 335	eP	Pdif	17 41 06.7	+1.1
AKN	comp=Z,1um,3.7s		IvMB_BB		17 41 29.9	
AKN			ePP	PP	17 45 19.3	+4.3
AKN			eSKSac	SKSac	17 51 40.5	-0.3
AKN			eSP	SP	17 54 11.0	-1.5
AKN			IVMS_BB	IVMS_BB	18 26 35.1	
KRUC	Moravsky	101.43 321	ePDIFF	Pdif	17 41 07.2	+1.1
KRUC	comp=Z,10um,25.6s		eSKS	SKSac	17 51 43.8	+2.2
KRUC			eSDIFF	Sdif	17 52 42.5	-0.2
RGN	Rugen	101.46 327	IAMS_20	IAMS_20	18 33 21.3	
RGN	comp=Z,10um,22.0s		IvMB_BB		17 41 07.5	
SKAR	Skarslia	101.49 334	i P	Pdif	17 41 08.4	+2.2
SKAR	comp=Z,893nm,3.6s		ePP	PP	17 45 20.4	+2.2
SKAR			eSKSac	SKSac	17 51 44.2	+2.7
SKAR			eSP	SP	17 54 11.9	+1.9
SKAR			eSS	SS	17 59 46.0	+1.8
SKAR			IVMS_BB	IVMS_BB	18 26 11.3	
COP	Copenhagen	101.53 328	i P	Pdif	17 41 04.4	-1.9
COP	comp=Z,31um,27.8s		IAMS_20	IAMS_20	18 26 38.0	
RONA	Rosalia, Austr	101.89 320	ePdiff	Pdif	17 41 09.0	+0.8
RONA	comp=Z,10nm,1.3s		ePKKP	PKKPbc	17 57 16.8	+1.9
RONA			ePKKP	PKKPbc	17 57 16.8	+1.9
RUE	Ruedersdorf	101.92 325	eP	Pdif	17 41 10.6	+2.4
TREC	Trest	101.93 321	eSKS	SKSac	17 51 42.9	+1.9
TREC	comp=Z,21um,28.5s		AMS	AMS	18 26 40.0	
KONY	Conrad Observa	102.10 320	ePdiff	Pdif	17 41 10.8	+1.6
KONY	comp=Z,10nm,1.4s		ePKKP	PKKPbc	17 45 35.0	+3.5
CONA			ePKKP	PKKPbc	17 57 14.6	+0.2
CONA	comp=Z,36nm,1.5s		ePKKP	PKKPbc	17 57 14.6	+0.2
PVCC	Panska Ves	102.10 323	eSKS	SKSac	17 51 45.4	+0.7
PVCC	comp=Z,8.1nm,0.9s		AMS	AMS	18 29 00.0	
GOPC	GO Pecny, Ondr	102.17 322	AMS	AMS	18 27 30.0	
HYA	Hoyanger	102.19 335	ePdif	Pdif	17 41 07.0	-2.2
HYA	comp=Z,722nm,2.5s		IvMB_BB		17 41 30.6	
HYA			ePP	PP	17 45 21.7	+0.6
HYA			eSKSac	SKSac	17 51 44.6	+0.1
HYA			eSS	SS	18 00 00.0	+6.4
HYA			IVMS_BB	IVMS_BB	18 25 03.0	
TROLL	Troll, Antarti	102.26 195	i P	Pdif	17 41 10.3	+0.8
TROLL	comp=Z,432nm,0.8s		i P	Pdif	17 41 10.3	+0.8
TROLL			i P	Pdif	17 41 10.3	+0.8
PRU	Pruhonice	102.29 322	ePDIFF	Pdif	17 41 14.2	+4.3
PRU	comp=Z,236nm,0.7s		eSKS	SKSac	17 51 46.1	+0.5
PRU			AMS	AMS	18 28 30.0	
PRU			ePDIFF	Pdif	17 41 14.2	+4.3
PRU	comp=Z,28um,28.4s		e	e	17 41 10.3	
BRG	Berggiesshubel	102.36 323	ePif	Pdif	17 41 10.3	+0.8
BRG	comp=Z,10nm,1.0s		Amp	Amp	17 41 12.6	
BRG	Berggiesshubel	102.36 323	P	Pdif	17 41 15.1	+4.9
BRG	comp=Z,24nm,0.9s		Amp	Amp	17 41 18.9	
BRG	Berggiesshubel	102.36 323	SP	SP	17 54 23.0	-0.6
BRG	comp=Z,24nm,0.9s		SS	SS	17 59 59.0	+2.2
HOMB	Homborsund	102.46 332	ePdif	Pdif	17 41 09.0	-1.4
HOMB	comp=Z,554nm,2.8s		IvMB_BB		17 41 41.5	
HOMB			eSKSac	SKSac	17 51 45.3	-0.7
HOMB			eSP	SP	17 54 22.6	-1.4
HOMB			IVMS_BB	IVMS_BB	18 27 11.1	
ARSA	Arzberg	102.52 319	ePdiff	Pdif	17 41 12.1	+1.1
ARSA	comp=Z,9.8nm,1.6s		ePKIKP	PKIKP	17 45 33.2	+1.0
ARSA			ePKIKP	PKIKPbc	17 57 11.9	-1.2
ARSA			ePKIKP	PKIKPbc	17 57 11.9	-1.2
ODD1	Odda	102.58 333	ePdif	Pdif	17 41 11.0	-0.1
ODD1	comp=Z,826nm,6.3s		IvMB_BB		17 41 14.8	
ODD1			ePP	PP	17 45 23.4	-0.8
ODD1			eSKSac	SKSac	17 51 44.9	-1.8
ODD1			eSP	SP	17 54 25.5	+0.1
ODD1			eSS	SS	17 59 59.9	+0.6
ODD1			IVMS_BB	IVMS_BB	18 26 57.5	
ZVC	Zvikov	102.69 322	ePDIFF	Pdif	17 41 13.4	+1.7
ZVC	comp=Z,10um,26.5s		eSKS	SKSac	17 51 48.2	+0.7
ZVC			AMS	AMS	18 28 10.0	
HSKC	Hora Svate Kat	102.76 323	eSKS	SKSac	17 51 44.7	-3.2
HSKC	comp=Z,24um,27.3s		AMS	AMS	18 29 00.0	
CLL	Colim	102.78 324	i P	Pdif	17 41 13.1	+1.1
CLL	comp=Z,30um,27.5s		e	e	17 45 27.0	
CLL			eS	Sdif	17 52 53.0	-0.8
CLL			emax	emax		
CLL			MLR	MLR		
CLL			MLR	MLR		
CLL	Colim	102.78 324	ePdiff	Pdif	17 41 14.0	+2.0
CKRC	Cesky Krumlov	102.81 321	ePDIFF	Pdif	17 41 14.7	+2.4
CKRC	comp=Z,23um,30.7s		ePKKPbc	PKKPbc	17 57 12.5	+0.3
CKRC			AMS	AMS	18 26 50.0	

CKRC	Cesky Krumlov	102.81 321	i P	Pdif	17 41 14.7	+2.4
SUE	Sulen	102.85 335	ePP	Pdif	17 41 12.0	-0.1
SUE	comp=Z,8um,31.4s		eSKSac	SKSac	17 51 47.1	+0.6
SUE			eSS	SS	18 00 04.3	+1.6
SUE			IVMS_BB	IVMS_BB	18 27 43.6	
BLSS	Blasio	102.89 333	eP	Pdif	17 41 13.1	+0.7
BLSS	comp=Z,962nm,3.9s		IvMB_BB		17 41 18.8	
BLSS			ePP	PP	17 45 26.0	-0.5
BLSS			eSKSac	SKSac	17 51 47.6	-0.5
BLSS			eSP	SP	17 54 25.5	-3.2
BLSS			eSS	SS	18 00 04.0	+0.5
BLSS			IVMS_BB	IVMS_BB	18 27 05.7	
MUD	Monsted Ugrnd	102.90 330	i P	Pdif	17 41 16.0	+3.6
MUD	comp=Z,19um,25.9s		IAMS_20	IAMS_20	18 29 14.2	
BER	Bergen	102.93 334	eP	Pdif	17 41 15.1	+2.6
BER	comp=Z,7um,22.0s		ePP	PP	17 45 28.6	+1.9
BER			eSKSac	SKSac	17 51 48.4	+0.2
BER			eSS	SS	18 00 06.2	+2.3
BER			IVMS_BB	IVMS_BB	18 25 13.2	
ASK	Askoy	102.94 334	eP	Pdif	17 41 13.2	+0.7
ASK	comp=Z,6um,24.0s		IvMB_BB		17 41 32.7	
ASK			ePP	PP	17 45 29.0	+2.2
ASK			eSKSac	SKSac	17 51 45.9	-2.3
ASK			eSS	SS	18 00 08.0	+4.0
ASK			IVMS_BB	IVMS_BB	18 25 09.8	
JCC	Jacoby Creek	102.95 47	IAMS_20	IAMS_20	18 25 53.8	
JCC	comp=Z,7um,22.0s		IAMS_20	IAMS_20	18 25 53.8	
SOKA	SOKA	103.02 319	ePKKP	PKKPbc	17 45 33.5	+0.3
SOKA	comp=Z,31nm,1.5s		ePKKP	PKKPbc	17 57 12.4	+0.8
SNART	Snartemo	103.04 332	eP	Pdif	17 41 08.4	-4.6
SNART	comp=Z,4.6nm,0.7s		eSKSac	SKSac	17 51 48.1	-0.6
SNART			IVMS_BB	IVMS_BB	18 27 26.1	
MOA	Molin	103.15 320	ePdiff	Pdif	17 41 13.8	0.0
MOA	comp=Z,18nm,1.1s		ePKIKP	PKIKP	17 45 33.9	+0.6
MOA			ePKIKP	PKKPbc	17 57 11.3	+0.1
KHC	Kasperske Hora	103.17 322	eP	Pdif	17 41 10.5	-3.4
KHC	comp=Z,9.9nm,0.8s		ex	ex	17 41 17.5	
KHC			eSKS	SKSac	17 51 52.0	+2.1
KHC			ePKKPbc	PKKPbc	17 57 11.8	+0.6
KHC			AMS	AMS	18 28 50.0	
KHC	Kasperske Hora	103.17 322	i P	Pdif	17 41 17.5	+3.6
KHC	comp=Z,29um,28.5s		e	e	17 51 52.0	
KHC			eSKSac	SKSac	17 51 46.2	+2.2
KHC			eSP	SP	17 41 14.2	+0.2
GERES	GERES Array B	103.18 321	ePdiff	Pdif	17 41 14.3	+0.2
GERES	comp=Z,2.8nm,0.5s,baz=57,slow=5.7,SNR=12		ePKKP	PKIKP	17 45 33.3	-0.1
GERES			ePKKPbc	PKKPbc	17 57 12.9	+1.7
GERES			ePKKPbc			

Table with columns: HDL, Name, Time, IAMS_20, IAMS_20, IAMS_20, IAMS_20. Rows include Hartland, Yadsworth, LAO, MAHO, DGMT, CCA1, WUAZ, O20A, RSSD, TUC, N23A, MDND, E28A, ULM, ISCO, NRS, S22A, BRIGG, Q24A, PMSA, SDCO, CART, AGMN, 121A, AN1A, Y22D, SUSD, OGNB, T25A, ESDC, ESDC, KSCO, F33A, EPT, MVO, ECSD, PGAV, POLO, PVRL, MTE, MTE, MTE, PVBS, E38A, LJJA, PMRV, SPMN, MSTX, L34A, PCAS, PESTR, PBAR, AMTX, I37A, PMTG, PSBE, EVO, PBEJ, SCHQ, SCHQ, PVAQ, PVAQ, N35A, PCVE, MESJ, G40A, LIS, PBVD, TXAR, TXAR, TXAR, KSU1, MORF, MORF, SCIA, F42A, PFV1, I40A, TORD, TORD, TORD, WMOK, N38A.

Table with columns: T35A, OK051, L40A, H43A, P38A, L42A, K43A, N41A, I45A, P40A, GLMI, Z35A, S39A, U38A, L44A, L44A, R40A, WHTX, HQIL, HDIL, USHA, M44A, 833A, 453B, J47A, P43A, L46A, I49A, Z38A, 237A, Q44A, SFIN, L48A, AAM, KVTX, N47A, K50A, S44A, N49A, O48B, O48B, M50A, D62A, P48A, O49A, M52A, N51A, J55A, LONY, ERPA, ACSO, T47A, WVT, R49A, J57A, F64A, G62A, O52A, Y45A, Q51A, R50A, K57A, PKME, L56A, PLAL, H62A, LBNH, DBIC, DBIC, U49A, O54A, G56A, Q52A, PMAR, P53A, WVL, BINO, PNOZ, I62A, S51A, M57A, I46A, L59A, X48A.

Table with columns: SSPA, Z47A, N58A, L61B, W50A, Y49A, S54A, LRAL, P57A, X51A, WSP7, U54A, L64A, BLA, M65A, S57A, CBN, 152A, 154A, W509, 553A, V61A, NHSC, Y60A, 257A, 456A, 656A, PLCA, PLCA, DWPF, 061Z, TRQA, BO02, BBSR, BO01, CAIB, RFA, MTF0, RENE, MT03, ROCI, PEL, PEL, PEL, VAO3, CBCY, AAGR, ARCO, AUSP, RMLL, RTGG, HLGC, PINC, MTDJ, MTJ, ACHE, MCJ, LCO, LCO, RCC, MOAC, NMDO, STH, GBY, GTBY, GMBU, HOPS, AGUA, APLL, MASC, ACLC, VCA, GRK, PLTB, PLTB, PSAL, CYA, CP5B, CP5B, PB14, GO02, SDDR, CNL, AHML, FSA, TERO1, ATAH, OTAV, NNA, ITAB, ITAB, AZAP, AOPR, CPUP, CPUP, CPUP, ASTB, SJG, SBJG, P508.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VJA Yavi, CAM01 Campos-RJ, PTGB Pitanga, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TAMC Tame, Arauca, TAMC Tame, Arauca, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SGOV, BARC Barichara, BARC Barichara, etc.

IDD 06 17:33:09.0.4.0.6.2.25N.126.44E, h0km, mb4.8/22, mbmp4.8/22, Error ellipse: s-maj=31.2km s-min=13.6km az=77.0

NEIC 06 17:33:11.6.1.1.8.2.23N.0108.126.66E.0.06, h20km,4km, mb5.2/33, Error ellipse: s-maj=11.4km s-min=7.6km az=198.0

ISC 06 17:33:14.6.0.4.2.18N.0107.126.57E.0.08, h47km, n63, a1973/66, mb5.0/36, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TMTI Ternate, LUWI Luwuk, TOLIZ Tolitoli, etc.

IDD 06 17:42:28.3.0.8.2.24N.126.45E, h0km, mb3.8/11, mbmp3.8/11, Error ellipse: s-maj=42.2km s-min=14.6km az=72.0

DJA 06 17:42:33.5.1.0.2.12N.127.7E, h12km,9km, M4.5/13, mb4.7/11, MLV4.4/13

ISC 06 17:42:35.4.0.8.2.33N.0107.126.8E.0.1, h55km, n16, a198/17, mb3.8/10, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SSSL Ssangung, NACB Ninganchiao, YHNB Yeheng, etc.

IDD 06 17:43:32.1.1.7.2.09N.126.10E, h0km, mb3.7/5, mbmp3.8/5, Error ellipse: s-maj=121.4km s-min=21.8km az=69.0, Northern Molucca Sea

IDD 06 17:46:43.8.0.8.2.19N.126.56E, h0km, mb3.9/11, mbmp3.9/11, Error ellipse: s-maj=45.1km s-min=14.0km az=72.0

DJA 06 17:46:43.8.0.3.2.12N.127.7E, h10km, M4.6/15, mb4.5/7, MLV4.6/15

NEIC 06 17:46:45.6.2.1.2.12N.0109.126.74E.0.06, h59km,9km, mb4.4/20, Error ellipse: s-maj=14.8km s-min=3.9km az=210.0

ISC 06 17:46:44.3.0.6.2.24N.0106.126.80E.0.07, h50km, n52, a1987/54, mb4.2/16, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZALV, KURBB Kurchatov Arra, BVAR Borovoye Array, etc.

IDD 06 17:41:04.4.1.8.2.32N.126.60E, h0km, mb3.7/5, mbmp3.7/5, Error ellipse: s-maj=122.7km s-min=21.3km az=69.0

DJA 06 17:41:07.7.0.3.2.12N.127.7E, h10km, M3.8/7, MLV3.8/7, IDJ 06 17:41:10.9.1.5.2.4N.013.126.6E.0.4, h55km, n7, a1967/8, mb3.8/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SGSI Sangihe, SGSI Ternate, FITZ Fitzroy Crossi, etc.

IDD 06 17:42:28.3.0.8.2.24N.126.45E, h0km, mb3.8/11, mbmp3.8/11, Error ellipse: s-maj=42.2km s-min=14.6km az=72.0

DJA 06 17:42:33.5.1.0.2.12N.127.7E, h12km,9km, M4.5/13, mb4.7/11, MLV4.4/13

ISC 06 17:42:35.4.0.8.2.33N.0107.126.8E.0.1, h55km, n16, a198/17, mb3.8/10, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TMTI Ternate, SGSI Sangihe, SGSI Cibinong, etc.

IDD 06 17:43:32.1.1.7.2.09N.126.10E, h0km, mb3.7/5, mbmp3.8/5, Error ellipse: s-maj=121.4km s-min=21.8km az=69.0, Northern Molucca Sea

IDD 06 17:46:43.8.0.8.2.19N.126.56E, h0km, mb3.9/11, mbmp3.9/11, Error ellipse: s-maj=45.1km s-min=14.0km az=72.0

DJA 06 17:46:43.8.0.3.2.12N.127.7E, h10km, M4.6/15, mb4.5/7, MLV4.6/15

NEIC 06 17:46:45.6.2.1.2.12N.0109.126.74E.0.06, h59km,9km, mb4.4/20, Error ellipse: s-maj=14.8km s-min=3.9km az=210.0

ISC 06 17:46:44.3.0.6.2.24N.0106.126.80E.0.07, h50km, n52, a1987/54, mb4.2/16, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TMTI Ternate, TMTI Sangihe, TMTI Cibinong, etc.

2019 JAN

Table with columns: KD, Station Name, Time, Res, and various codes. Includes stations like KENDARI, FAKI, TANA TORAJA, etc.

Table with columns: KSR, Station Name, Time, Res, and various codes. Includes stations like KOREA ARRAY, MATSUSHIRO ARR, etc.

Table with columns: MOR, Station Name, Time, Res, and various codes. Includes stations like MORAWA, PANZHIHUA, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like TINTI, TOLIT, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like TINTI, TOLIT, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like BRVK, NRK, etc.

6d 18h

0.4nm,0.4s,baz=119,slow=8.0,SNR=7.7
KURBB Kurchatov Arra 62.95 328 P P 18 17 36.8 -0.8
VND A Vanda 82.05 173 P P 18 19 30.9 +0.2

JMA 06 18:09:04.0-0.2,24.48N,0.8-121.9E,0.6,h91km,2km,
MV2.5/14, TAIWAN REGION
TAP 06 18:09:04.1,24.90N,121.91E,h90km,ML3.5,A
ISC 06 18:09:04.3,1,24.90N,121.91E,0.0,0.3,121.94E,0.0,2,h90km,5km,
n125,06/63/199,Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Lists various stations like EGGS, TWB1, SWX1, etc.

2019 JAN

Table with columns: WJWS, WHYT, YULB, etc. Lists stations and their coordinates and times.

ISC 06 18:10:19.1,9.265N,127.45E,h0km,mb4.5/4,
mbtmtp4.5, Error ellipse: s-maj=125.0km
s-min=22.2km az=70.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Lists stations like FITZ, WRA, ASAR, etc.

ISC 06 18:12:02.5,0.7,2.32N,126.78E,h0km,mb4.0/15,
mbtmtp4.1/15,MS4.6/1, Error ellipse: s-maj=35.6km
s-min=12.6km az=74.0

NEIC 06 18:12:07.5,2.9,2.39N,102.126E,0.09,h35km,2km,
mb4.0/26, Error ellipse: s-maj=15.0km s-min=3.5km
az=95.0

DJA 06 18:12:08.4,0.2,2.2N,127.7E,h10km,M4.3/14,mbB5.3/1,
mb4.3/6,MLV4.3/14,ML(MB)4.7/1
ISC 06 18:12:09.4,0.5,2.33N,106.126E,0.08,h53km,n59,
0146/55,mb4.3/29,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Lists stations like TINTI, APSTI, etc.

Table with columns: XAN, XAN, XAN, etc. Lists stations and their coordinates and times.

ISC 06 18:12:28.5,0.9,5.40S,159.09E,h0km,mb4.5/7,
mbtmtp4.5/8,ML4.6/1, Error ellipse: s-maj=34.2km
s-min=18.6km az=80.0

NEIC 06 18:12:31.2,1.3,5.40S,159.159E,0.2,h10km,1km,
mb4.8/14, Error ellipse: s-maj=21.5km s-min=5.3km
az=95.0

ISC 06 18:12:30.5,0.5,5.40S,159.25E,0.08,h10km,n84,
0194/75,mb4.7/11,Maccurie Island region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Lists stations like MCQ, MCQ, etc.

KKAR	Karatay Array	64.31 317	P	P	18 28 38.8	-0.9
KKAR	Karatay Array	64.31 317	Iamb	Iamb	18 28 42.3	
KKAR	Karatay Array	64.31 317	P	P	18 28 38.8	-0.9
BRLS	Borolday	64.73 317	eP	P	18 28 41.8	-0.7
BRLS	Borolday	64.73 317	eP	P	18 28 41.9	-0.7
BRZS	Berezinski	65.88 325	eP	P	18 28 49.3	-0.5
BRZS	Berezinski	65.88 325	eP	P	18 28 49.4	-0.5
BVAR	Borovyoye Array	68.55 327	P	P	18 29 06.1	-0.5
BRVK	Borovyoye	68.62 327	P	P	18 29 06.5	-0.5
BRVK	Borovyoye	68.62 327	P	P	18 29 06.5	-0.5
BRVK	Borovyoye	68.62 327	P	P	18 29 06.8	-0.2
TIXI	Tiksi	69.29 11	P	P	18 29 10.9	0.0
TIXI	Tiksi	69.29 11	P	P	18 29 11.0	+0.1
BILL	Bilibino	70.95 15f	eP	P	18 29 22.8	+1.7
NRIK	Noril'sk	71.84 346	eP	P	18 29 25.9	-0.5
NRIR	Noril'sk	71.84 346	eP	P	18 29 26.4	0.0
NRIR	Noril'sk	71.84 346	eP	P	18 29 26.4	0.0
SVE	Sverdlovsk	75.20 329	eP	P	18 29 46.2	-0.2
ARTI	Arti	76.25 328	P	Iamb	18 29 51.2	-1.2
ARTI	Arti	76.25 328	dIP	P	18 29 51.5	-0.9
ARTI	Arti	76.25 328	dIP	P	18 30 07.4	+3.2
ARTI	Arti	76.25 328	dIP	P	18 30 42.7	
ARTI	Arti	76.25 328	dIP	P	18 30 34.3	+2.2
ARTI	Arti	76.25 328	dIP	P	18 30 44.2	-4.4
AKT	Akhty	80.27 312	eP	P	18 30 15.0	-0.1
AKT	Akhty	80.27 312	eP	P	18 30 29.5	-1.9
AKT	Akhty	80.27 312	eP	P	18 30 35.1	-1.9
RAYN	Ar Rayn	81.06 293	P	P	18 30 19.0	-0.7
RAYN	Ar Rayn	81.06 293	P	P	18 30 19.0	-0.7
KIRV	Kirov	81.47 329	iP	P	18 30 21.3	+0.4
BELG	Belogoroye	81.56 323	eP	P	18 30 21.2	-0.4
VNDA	Vanda	81.98 173	P	P	18 30 23.8	+0.5
VNDA	Vanda	81.98 173	P	P	18 30 23.7	+0.4
VNDA	Vanda	81.98 173	P	P	18 30 23.8	+0.5
MAW	Mawson	82.40 200	P	P	18 30 26.1	+0.5
GNI	Garni	82.42 310	iP	P	18 30 28.1	+1.5
NCK	Nalchik	83.47 313f	eP	P	18 30 33.1	+1.3
KBZ	Khabaz	83.99 314	P	P	18 30 34.2	-0.1
KBZ	Khabaz	83.99 314	eP	P	18 30 35.9	+1.6
KIV	Kislovodsk	84.15 314	eP	P	18 30 36.1	+0.8
SHAI	Shidzhatmaz	84.16 314f	eP	P	18 30 36.6	+1.0
VRH	Novokhoporsky	85.12 321	eP	P	18 30 39.8	-0.1
MARD	Mardin	85.42 307	Iamb	Iamb	18 30 44.4	
SOC	Sochi	86.29 313	eP	P	18 30 46.4	+0.5
SOC	Sochi	86.29 313	eS	SKSac	18 41 07.9	+0.8
SOC	Sochi	86.29 313	eS	SS	18 46 59.9	+2.9
ILAR	Eielson Array	86.41 25	P	P	18 30 45.0	-1.1
ILAR	Eielson Array	86.41 25	P	P	18 30 45.0	-1.1
KLMR	Klimovskoye	86.67 331	eP	P	18 30 47.3	-0.1
VORR	Voronezh	87.04 321	eP	P	18 30 48.5	+0.8
VSR	Storozhevoye	86.72 321	eP	P	18 30 46.2	-1.6
LPSR	Galich'ya Gora	86.88 322	eP	P	18 30 48.6	0.0
BMAR	Burnt Mountain	87.41 23	P	P	18 30 52.6	+1.7
MOS	Moscow	87.64 326	eP	P	18 30 51.0	-1.1
OBN	Obninsk	88.25 325f	eP	P	18 30 55.9	+0.8
KMBO	Kilima Mbogo	89.53 269	P	P	18 31 02.0	-0.3
KMBO	Kilima Mbogo	89.53 269	P	P	18 31 02.0	-0.3
MMAI	Mount Meron Ar	89.90 303	P	P	18 31 04.0	+0.6
JOF	Joensuu	90.48 333	eP	P	18 31 05.4	+0.1
KIRS	Kiresehir-Merke	90.78 309	iP	P	18 31 06.8	-0.6
B131H	Keskin Array S	90.95 310	Iamb	Iamb	18 31 07.3	-1.0
B131K	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131L	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131M	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131N	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131O	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131P	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131Q	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131R	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131S	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131T	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131U	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131V	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131W	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131X	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131Y	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B131Z	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132A	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132B	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132C	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132D	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132E	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132F	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132G	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132H	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132I	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132J	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132K	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132L	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132M	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132N	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132O	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132P	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132Q	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132R	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132S	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132T	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132U	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132V	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132W	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132X	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132Y	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B132Z	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133A	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133B	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133C	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133D	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133E	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133F	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133G	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133H	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133I	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133J	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133K	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133L	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133M	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133N	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133O	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133P	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133Q	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133R	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133S	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133T	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133U	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133V	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133W	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133X	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133Y	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B133Z	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134A	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134B	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134C	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134D	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134E	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134F	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134G	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134H	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134I	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134J	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134K	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134L	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134M	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134N	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134O	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134P	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134Q	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134R	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134S	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134T	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134U	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134V	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134W	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134X	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134Y	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B134Z	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135A	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135B	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135C	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135D	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135E	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135F	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135G	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135H	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135I	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135J	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135K	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135L	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135M	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135N	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135O	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135P	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135Q	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135R	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135S	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135T	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135U	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135V	Keskin Array S	90.95 310	P	P	18 31 07.3	-1.0
B135W</						

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MA2 Magadan, LBZ Lake Benmore, ARLS ARLS, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KMB0 Kilima Mbojo, MMAI Mount Meron Ar, BRTR Keskin Array B, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WHP Taichung City, WARB Fenglin Townsh, YOJ Yonaguni jima, etc.

JMA 06 18:34:37.3z.0.1,25°N,141°22'E, h55km, MV2.8/10, TAIWAN REGION

TAP 06 18:34:37.0z,24°52'N,121°86'E,h28km,ML3.6,C ISC 06 18:34:36.9z,0.9,24°52'N,121°86'E,0.02z,121.94E,0.02z,1.7km,4km, n114, c0976/171, TD, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like ESAO Su ao, TWC Suao, EWUT Wuta, etc.

IDC 06 18:35:28.1z,0.6,2°34'N,126°87'E,h0km,mb4,1/19, mbmp4.2/21,ML4,1/2, Error ellipse: s-maj=27.3km, s-min=11.7km,az=80.0

DJA 06 18:35:33.9z,0.2,2°N,12°7'E, h10km, M4.6/17, mB5.2/2, mb4.7/11,ML v4.6/17, Mw(mB)4.7/2

NEIC 06 18:35:35.4z,2.0,2°29'N,0.0z,126°81'E,0.09,h50km,8km, mb4,73/4, Error ellipse: s-maj=14.6km s-min=9.0km, az=55.0

ISC 06 18:35:50.4z,2.31N,0.05z,126.78E,0.07,h53km,n79, c128/82,mb4.5/39,Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like TINTI Ternate, LBTI Labuha, KMSI Cibinong, etc.

6d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UBPT Khong Chiam, AS31 Alice Springs, GIRL Giralda, PHRA Chiang Mai, etc.

IDC 06 18:41:32.4 1.7, 2.31N, 126.70E, h0km, mb3.4/5, mbmp3.5/5, Error ellipse: s-maj=116.7km s-min=20.8km az=7.0

DJA 06 18:41:39.4 1.2, 2.3N, 127.7E, h27km, 12km, M3.6/12, MLV3.6/12

ISC 06 18:41:39.6 1.2, 2.35N, 126.9E, 0.1, h53km, n10, c1513/12, mb3.4/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNTI Ternate, SANGI Sangihe, WRA Warramunga Arr, etc.

SJA 06 18:44:27.7 1.4, 3.00S, 72.34W, h10km, ML4.4, MW3.9 NEIC 06 18:44:30.8 1.9, 2.99S, 0.05, 72.23W, 0.07, h10km, 1km, mb4.7/4, Error ellipse: s-maj=10.0km s-min=8.3km az=84.0

2019 JAN

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO06 Fray Jorge, CO05 La Serena, CO04 Tololo Observa, etc.

AVIZ Vizcachas 4.63 138 i P Pb 18 45 45.6 -5.3 BO02 Sierra Bellavi 4.86 166 Pn Pb 18 45 45.5 +2.7 BO02 Sierra Bellavi 4.86 166 i P Pb 18 45 45.6 +2.7

380

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GO05 Hualane, APLL PUNTA DE LOS GU, BI02 Juan Fernandez, etc.

IDC 06 18:44:22.4 1.7, 2.36N, 126.71E, h0km, mb3.7/9, mbmp3.7/9, Error ellipse: s-maj=55.5km s-min=15.7km az=63.0

DJA 06 18:44:28.0 0.2, 2.2N, 127.7E, h10km, M4.0/12, mb4.3/2, MLV3.9/12

ISC 06 18:44:29.2 0.8, 2.51N, 127.0E, 0.1, h50km, n14, c173/17, mb3.8/8, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TINTI Ternate, SANGI Sangihe, WRA Warramunga Arr, etc.

IDC 06 18:46:02.9 1.8, 2.62N, 126.97E, h0km, mb3.5/5,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra.

IDC 06 18:56:53.8±1.4, 2.37N, 126.94E, h0km, mb3.6/7, mbtmp3.6/7, MS4.0/1, Error ellipse: s-maj=82.0km s-min=17.5km az=67.0

DJA 06 18:57:01.3±1.6, 2.1N, 126.7E, h27km, 15km, M4.2/12, mb4.2/3, MLV4.2/12

ISC 06 18:57:00.9±0.8, 2.35N, 126.80E, 0.08, h53km, n14, r136/14, mb3.6/7, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, KMSI KMSI, SWI Sorong, JAY Jayapura, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, HHC Hu-ho-ho-te, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array.

IDC 06 18:57:41.9±0.6, 2.38N, 126.69E, h0km, mb4.1/17, mbtmp4.1/17, MS4.5/4, Error ellipse: s-maj=31.4km s-min=12.5km az=76.0

NEIC 06 18:57:47.1±2.7, 2.51N, 126.91E, 0.07, h35km, 2km, mb4.6/30, Error ellipse: s-maj=12.6km s-min=3.1km az=249.0

ISC 06 18:57:48.5±0.4, 2.50N, 126.81E, 0.06, h53km, n72, r159/172, mb4.4/30, MS4.4/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TNTI Ternate, DAV Davao City (W), LUWU Luwuk, FAKI Fak Fak, MYLDM Lahad Datu, KKM Kota Kinabalu, DRB Darwin Rock St, MTN Mantau Dam, KDU Kakadu, KNRA Kununurra, FITZ Fitzroy Crossi, TPUB Tapu, YHNB Ysheng, COEN Coen, WRA Warramunga Arr, WRAB Warrab, WRB Tennant Creek, WRA Warramunga Arr, WB2 Warramunga Arr, JMW Minamidato, MBWA Marble Bar, PSAO0 Pilbara Seismi, QIS Mount Isa, MTSU Mount Surprise, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASO1 Alice Springs, WRKA Warakuma, GSI Gunungsitoli, LHMI Lhok Sumawe, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, PATS Pohnpai, CHTO Chiang Mai, MORW Morawa, FORT Forrest, JGF Kuroka, KRSR Korea Arr, MJAR Matsushiro Arr, BBOO Buckleboe, STKA Stephens Creek.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like JMM Marumori, ARMA Armadale, USRK Ussuriysk Ar, USRK Ussuriysk Arr, CAN Canberra, ASAJ Asajikawa, SONM Songino Array, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, YAK Yakutsk, YAK Yakutsk, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURK Kurchatov, BVAR Borovoye Array, BRVK Borovoye, TIXI Tiksi, TIXI Tiksi, TIXI Tiksi, ABKAR Abkulkar Array, VNSA Vanda, ILAR Eielson Array, ASF Jabal al-Hafar, KMBO Kilima Mbogo, BRTR Keskin Array B.

IDC 06 19:00:36.5±0.7, 2.37N, 126.92E, h0km, mb3.9/12, mbtmp4.0/13, ML3.3/7, Error ellipse: s-maj=41.9km s-min=13.6km az=74.0

DJA 06 19:00:37.8±0.2, 2.1N, 126.7E, h10km, M4.2/15, mb4.8/1, mb4.5/5, MLV4.1/15, MW10/11

NEIC 06 19:00:42.4±1.5, 2.30N, 126.9E, 0.1, h35km, 1km, mb4.4/13, Error ellipse: s-maj=17.9km s-min=10.1km az=77.0

ISC 06 19:00:43.1±0.6, 2.35N, 126.82E, 0.07, h53km, n35, r162/39, mb4.1/17, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, LBMI Labuha, KMSI Cibinong, SANI Sanana, LUWU Luwuk, NLAI Namlea, TOLIZ Tolito, KDI Kendari, BATI Baumata, KNRA Kununurra, FITZ Fitzroy Crossi, WB0 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, PHRA Phra, CMAR Chiang Mai Arr, CHTO Chiang Mai, FORT Forrest, KRSR Korea Arr, MJAR Matsushiro Arr, BBOO Buckleboe, STKA Stephens Creek, SONM Songino Array, MK31 Makanchi Array, MKAR Makanchi Array, KURBB Kurchatov Arra, KURK Kurchatov, BVAR Borovoye Array, VNSA Vanda.

IDC 06 19:08:48.1±1.8, 2.30N, 126.92E, h0km, mb3.6/6, mbtmp3.4/6, Error ellipse: s-maj=89.1km s-min=20.4km az=66.0

DJA 06 19:08:53.5±0.9, 2.1N, 126.7E, h15km, 7km, M3.5/7, MLV3.5/7

ISC 06 19:08:56.0±1.1, 2.2N, 126.5E, 0.14, h50km, n9, r162/9, mb3.3/5, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, LBMI Labuha, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, PHRA Phra, CMAR Chiang Mai Arr, CHTO Chiang Mai, FORT Forrest, KRSR Korea Arr, MJAR Matsushiro Arr, BBOO Buckleboe, STKA Stephens Creek, SONM Songino Array, MK31 Makanchi Array, MKAR Makanchi Array, KURBB Kurchatov Arra, KURK Kurchatov, BVAR Borovoye Array, VNSA Vanda.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like OKTU Okmok Mt. Tuli, MREP Makushin Rep, UNV Unalaska Valle, UNV UNV, MSW Makushin Swite, MTBL Makushin Table, NIKH Nikolski High, NIKH Nikolski High, NZK Akutan Zero, AKRB Akutan Reef Bi, LVA Lava Point, AKSA Akutan Strait, CLCO Concord Point, WESE West Dahl East, WESE West Dahl East, WEST Westdahl Bear, ISLZ Isanotski Laza, ISNN Isanotski Nart, FALS False Pass, CHGN Chignik, O1AK Olenok, M13K Dall Lake, N15K Kwethluk River, KDAA Kodiak Island, ILAR Eielson Array, PETK Petropavlovsk, INK Inuvik, SEY Seymchan, YKA Yellowknife Arr, PDAR Pinedale Array, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, TXAR Lajitas Array, EKA Eskdalemuir Arr.

IDC 06 19:08:48.1±1.8, 2.30N, 126.92E, h0km, mb3.6/6, mbtmp3.4/6, Error ellipse: s-maj=89.1km s-min=20.4km az=66.0

DJA 06 19:08:53.5±0.9, 2.1N, 126.7E, h15km, 7km, M3.5/7, MLV3.5/7

ISC 06 19:08:56.0±1.1, 2.2N, 126.5E, 0.14, h50km, n9, r162/9, mb3.3/5, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, LBMI Labuha, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, PHRA Phra, CMAR Chiang Mai Arr, CHTO Chiang Mai, FORT Forrest, KRSR Korea Arr, MJAR Matsushiro Arr, BBOO Buckleboe, STKA Stephens Creek, SONM Songino Array, MK31 Makanchi Array, MKAR Makanchi Array, KURBB Kurchatov Arra, KURK Kurchatov, BVAR Borovoye Array, VNSA Vanda.

IDC 06 19:12:26.3±0.8, 2.47N, 126.9E, 0.1, h53km, n15, r165/116, mb3.8/9, Northern Molucca Sea

DJA 06 19:12:24.2±0.2, 2.2N, 126.7E, h10km, M4.1/11, mb4.6/1, MLV3.9/11

ISC 06 19:12:26.3±0.8, 2.47N, 126.9E, 0.1, h53km, n15, r165/116, mb3.8/9, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for KSRS, STKA, SOMN, MKAR, KURBB, and BVAR.

SOME 06 19:13:22.2, 41.75N, 81.63E, h20km
NWC 06 19:13:24.6, 2.0, 41.72N, 81.38E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=14.0km, s-min=1.0km, az=171.0

ISC 06 19:13:26.0, 2.2, 41.85N, 0.09N, 81.32E, 0.07, h10km, n30,
az=12/46, 4C-1D, Southern Xinjiang

Main table for 6d 19h section, listing various stations like SHLS, PDGK, UZB, SATY, ZHN, KPKS, DJR, KNOS, BLB, KOTS, MDOK, TNS, ARXS, CHKK, MTBS, DGS, MK31, FITZ, WRA, ASAR.

ISC 06 19:13:40.0, 2.5, 2.66N, 127.60E, h0km, mb3.3/4,
mbtmp3.4/4, Error ellipse: s-maj=146.3km
s-min=27.6km, az=71.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for MKAR, KURBB, and ZALV.

IDC 06 19:14:11.7, 41.0, 34.12N, 22.96E, h0km, mb3.9/4,
mbtmp3.9/5, ML3.8/1, Error ellipse: s-maj=780.6km
s-min=48.0km, az=36.0

ATH 06 19:14:25.4, 34.95N, 23.83E, h31km, 3km, ML2.7/4, Error
ellipse: s-maj=3.5km, s-min=1.4km, az=209.0

THE 06 19:14:26.9, 34.99N, 23.86E, h15km, 2km, ML2.4/3, Error
ellipse: s-maj=3.1km, s-min=1.3km, az=221.0

ISC 06 19:14:25.3, 1.1, 34.94N, 0.06, 23.86E, 0.06, h32km, 6km,
n17, c101/25, mb3.8/4, Crete

Main table for 2019 JAN section, listing various stations like GVD, KNDR, IMMV, IDI, ANKY, FINESS, KURBB, MKAR, ZALV.

IDC 06 19:15:43.0, 0.7, 2.37N, 126.73E, h0km, mb3.8/16,
mbtmp3.9/16, Error ellipse: s-maj=34.6km, s-min=13.2km,
az=74.0

NEIC 06 19:15:49.9, 1.5, 2.47N, 0.07, 126.77E, 0.08, h52km, 6km,
mb4.1/21, Error ellipse: s-maj=12.9km, s-min=8.6km,
az=64.0

ISC 06 19:15:49.6, 0.5, 2.46N, 0.06, 126.86E, 0.09, h50km, n46,
az=16/46, mb4.0/26, Northern Molucca Sea

Main table for 2019 JAN section, listing various stations like TNTI, DAV, LUWI, FAKI, FITZ, TPUB, COEN, WRAB, WRA, WB2, AS31, ASAR, CMAR, FORT, KRSR, MJAR, BBOO, STKA, ARMA, USA0B, USR, SONM, PETK, ZALV, KURBB, KURK, FITZ, WRA, ASAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for BVAR, BRVK, TIXI, ABKAR, AKTO, RAR, ARTI, ILAR.

MOS 06 19:16:00.6, 1.0, 2.39N, 126.58E, h38km, mb5.1/41, Error
ellipse: s-maj=3.1km, s-min=5.0km, az=118.5

DJA 06 19:16:02.1, 1.0, 2.2N, 127.7E, h16km, 10km, M4.8/21,
mb5.2/6, mb5.1/19, MLV4.9/21, Mw(MB)4.6/6

NEIC 06 19:16:02.4, 1.6, 2.35N, 0.08, 126.63E, 0.08, h35km, 1km,
mb5.0/18, Error ellipse: s-maj=15.7km, s-min=9.6km,
az=224.0

ISC 06 19:16:03.8, 1.6, 2.36N, 126.68E, h53km, 14km, mb4.5/34,
mbtmp4.7/38, ML4.3/4, MS3.9/1, Error ellipse:
s-maj=15.8km, s-min=7.8km, az=75.0

ISC 06 19:16:02.8, 0.4, 2.39N, 0.03, 126.68E, 0.05, h44km, 3km,
mb4.6/19, P, n357, az=19/345, mb4.9/140, MS4.5/8,
19C-10D, Northern Molucca Sea

Main table for 2019 JAN section, listing various stations like SGSI, TERNATE, LBMI, KMSI, SANSI, SANI, DAV, LUWI, LUWI, LUWI, SUI, NLAI, APSI, TOLIZ, TOLIZ, MSAI, AAI, MPPI, KDI, PCI, FAKI, FAKI, MYLDM, MYLDM, TTSI, BBSI, SPSS, BAKI, BAKI, KPSI, KAPPI, KAPI, KAPI, SOEI, BATI, PLAI, GENI, SBUM, JAY, DRS, MTN, MTN, KDU, JAGI, KNRA, UGM, FITZ, TWG, LEM, GUMO, YULB, TPUB, SSSL, SSSL, YHNB, YHNB, COEN, COEN, WBO, QIZ, QIZ, WRAB, WRAB, WRA, WRA, WRA, WRA, WBO, WBO, PMG, PMG, JOW, MBWA, UBP, IPM, IPM, QIS.

MTSU	Mount Surprise	26.79	140	P	P	19 21 39.0	0.0
AS31	Alice Springs	26.84	165	P	P	19 21 38.8	-0.5
ASAR	Alice Springs	26.84	165	P	P	19 21 38.5	-0.8
comp-Z, 6.5nm, 0.7s, baz=345, slow=6.8, SNR=34							
ASAR	comp-Z, 4.0nm, 0.7s, baz=339, slow=1.6, SNR=8.8			PcP	PcP	19 25 01.8	+0.5
ASAR	comp-Z, 1.1nm, 0.8s, baz=338, slow=9.8, SNR=2.0			S	S	19 26 17.1	+4.2
AS01	Warakurna	26.85	165	P	P	19 21 38.7	-0.7
WRKA	Warakurna	27.31	177	P	P	19 21 43.2	-0.3
PSI	Prapat	27.73	271	P	P	19 21 48.3	+0.8
PSI	Prapat	27.73	271	P	P	19 21 45.8	-1.7
comp-Z, 8.0nm, 0.9s				pmax	pmax		
RPSI	Rantau Prapat	27.73	271	P	P	19 21 45.8	-1.6
SLVN	Son La	29.09	312	P	P	19 21 59.6	+0.1
GSI	Gunungsitoli	29.11	268	P	P	19 21 58.2	-1.5
GSI	Gunungsitoli	29.11	268	I	I	19 22 01.1	
GSI	Gunungsitoli	29.11	268	P	P	19 21 59.1	-0.6
TV10	Townsville Har	29.22	138	P	P	19 22 01.3	+0.7
CTAH	Charters Tower	29.46	140	P	P	19 22 02.7	-0.1
MEEK	Meekatharra	29.89	195	P	P	19 22 06.6	+0.1
WHN	Wuhan	30.34	339	P	P	19 22 16.0	+5.7
NJ2	Nanjing	30.41	347	eP	P	19 22 13.3	+2.4
comp-Z, 6.0nm, 0.7s				pmax	pmax		
PHRA	Phrae	30.46	304	P	P	19 22 11.3	-0.3
OD	Oudnadatta	31.24	164	P	P	19 22 18.0	-0.3
CMAR	Chiang Mai Arr	31.52	302	P	P	19 22 20.2	-0.7
CMAR	Chiang Mai Arr	31.52	302	P	P	19 22 21.6	+0.6
comp-Z, 12nm, 0.9s, baz=117, slow=6.8, SNR=44				PcP	PcP	19 25 14.9	+1.6
CHTO	Chiang Mai	31.68	303	P	P	19 22 22.2	-0.2
CHTO	Chiang Mai	31.68	303	I	I	19 22 27.5	
CHTO	Chiang Mai	31.68	303	P	P	19 22 22.2	-0.2
CHTO	Chiang Mai	31.68	303	pmax	pmax		
ENH	Enshi	32.16	331	I	I	19 22 31.0	
ENH	Enshi	32.16	331	P	P	19 22 26.7	+0.2
ENH	Enshi	32.16	331	P	P	19 22 26.6	+0.1
ENH	Enshi	32.16	331	pP	pP	19 22 36.8	-1.0
INKA	Innaminka	32.88	157	P	P	19 22 32.6	-0.1
MORW	Morawa	32.90	197	P	P	19 22 32.6	-0.3
MORW	Morawa	32.90	197	P	P	19 22 33.7	+0.8
FORT	Forrest	33.01	178	P	P	19 22 33.5	-0.3
QLP	Quilpie	33.43	151	P	P	19 22 37.2	-0.3
PZH	Panzhihua	33.87	317	P	P	19 22 41.8	+0.2
PZH	Panzhihua	33.87	317	pmax	pmax		
comp-Z, 10.0nm, 0.5s				P	P	19 22 42.3	+0.9
KMBL	Kambalda	33.88	187	P	P	19 22 44.5	+0.6
INU	Inuyama	34.17	15	I	I	19 22 46.8	
INU	Inuyama	34.17	15	P	P	19 22 45.2	+1.3
INU	Inuyama	34.17	15	P	P	19 22 44.7	+0.9
LCKR	Leigh Creek	34.46	162	P	P	19 22 46.2	-0.3
JGF	Kuroka	34.50	15	I	I	19 22 46.9	+0.2
JGF	Kuroka	34.50	15	I	I	19 22 50.6	
LYN	LuoYang	34.63	339	P	P	19 22 49.6	+1.7
LYN	LuoYang	34.63	339	pmax	pmax		
KLBR	Kellerberrin	34.84	193	P	P	19 22 50.3	+0.5
KSRS	Korea Arry	34.91	2	P	P	19 22 51.5	+1.3
KSRS	comp-Z, 3.9nm, 0.6s, baz=177, slow=9.9, SNR=15			PcP	PcP	19 25 22.8	+0.5
KSRS	comp-Z, 0.5nm, 0.7s, baz=90, slow=0.6, SNR=1.6			S	S		
KS19	Wonju Arry	34.96	2	I	I	19 22 57.8	
KS19	TengChong	35.26	312	P	P	19 22 53.2	-0.5
TNCH	TengChong	35.26	312	pP	pP	19 23 04.6	-0.4
TNCH	TengChong	35.26	312	pP	pP	19 23 11.6	+1.6
TNCH	TengChong	35.26	312	S	S	19 23 14.2	+0.3
TNCH	TengChong	35.26	312	sS	sS	19 28 24.3	-0.4
TNCH	TengChong	35.26	312	pmax	pmax	19 28 44.0	+0.5
comp-Z, 9.0nm, 0.9s				pmax	pmax		
TNCH	TengChong	35.26	312	pmax	pmax		
TNCH	TengChong	35.26	312	LR	LR		
TNCH	TengChong	35.26	312	LR	LR		
TNCH	TengChong	35.26	312	LR	LR		
XAN	Xi'an	35.59	334	P	P	19 22 56.0	-0.2
XAN	Xi'an	35.59	334	pmax	pmax		
MJAR	Matsushiro Arr	35.61	16	P	P	19 22 55.9	-0.5
MJAR	comp-Z, 8.3nm, 0.9s, baz=197, slow=8.2, SNR=17			PcP	PcP	19 25 25.5	+1.0
MJAR	comp-Z, 3.5nm, 0.9s, baz=193, slow=4.4, SNR=4.7			P	P	19 22 55.9	-0.5
MAJO	Matsushiro	35.61	16	I	I	19 22 58.9	
MAJO	Matsushiro	35.61	16	P	P	19 22 57.4	+1.1
MAJO	Matsushiro	35.61	16	P	P	19 22 55.9	-0.5
comp-Z, 12nm, 0.9s				pmax	pmax		
MJB9	Matsu-Tunnel	35.62	16	P	P	19 22 56.8	+0.5
CD2	Chengdu	35.69	325	P	P	19 22 57.2	0.0
CD2	Chengdu	35.69	325	pmax	pmax		
BBOO	Bucklebo	36.12	167	I	I	19 23 00.9	
BBOO	Bucklebo	36.12	167	P	P	19 23 00.1	-0.6
EIDS	Eidsvold	36.34	141	I	I	19 22 59.4	-3.4
EIDS	Eidsvold	36.34	141	I	I	19 23 02.9	
EIDS	Eidsvold	36.34	141	P	P	19 23 01.6	-1.1
HNS	HongShan	36.54	344	eP	P	19 23 05.1	+0.9
DL2	Dalian	36.63	353	P	P	19 23 07.1	+2.1
DL2	Dalian	36.63	353	pmax	pmax		
comp-Z, 4.0nm, 0.9s				P	P	19 23 05.6	-0.1
WHYH	Whyalla	36.71	165	P	P	19 23 07.1	-0.3
STKA	Stevens Creek	36.91	159	P	P	19 23 07.1	-0.3
STKA	Stevens Creek	36.91	159	P	P	19 23 06.8	-0.6
comp-Z, 17nm, 0.7s, baz=333, slow=8.7, SNR=25				P	P	19 23 07.2	-0.3
STKA	Stevens Creek	36.91	159	P	P	19 23 07.2	-0.3
JMM	Marumori	37.61	18	P	P	19 23 14.7	+1.4
AULRC	Lightning Ridg	37.65	149	P	P	19 23 13.1	-0.6
CMSA	Cobar Meteorol	38.28	153	P	P	19 23 18.8	-0.2
EJT	Bailiatuau	38.65	347	P	P	19 23 23.2	+1.2
EJT	Beijing	38.67	347	pmax	pmax	19 23 23.5	+1.3
comp-Z, 11nm, 1.1s				P	P	19 23 31.9	+1.4
LZH	Lanzhou	39.63	330	eP	P	19 23 35.3	-0.1
LZH	Lanzhou	39.63	330	pmax	pmax		
AUDCS	Dubbo College	40.23	151	P	P	19 23 37.0	+0.2
ARMA	Armidale	40.39	146	P	P	19 23 38.4	-0.6
SHL	Shillong	40.64	308	I	I	19 23 40.0	
comp-Z, 2.0nm, 0.7s				P	P	19 23 38.4	-0.6
SHL	Shillong	40.64	308	pmax	pmax		
HHC	Hu-ho-hao-te	40.65	342	eP	P	19 23 40.6	+1.8
HHC	Hu-ho-hao-te	40.65	342	pmax	pmax		
comp-Z, 1.9nm, 0.5s				pmax	pmax		
HHC	Hu-ho-hao-te	40.65	342	pmax	pmax		
VLA	Vladivostok	40.82	6j	eP	P	19 23 40.7	+0.7
VLA	Vladivostok	40.82	6j	pmax	pmax		
comp-Z, 3.5nm, 1.2s				eP	P	19 23 42.6	+1.6
BTO	Baotou	40.92	341	eP	P	19 23 42.6	+1.6
BTO	Baotou	40.92	341	pP	pP	19 23 40.7	-1.2
BTO	Baotou	40.92	341	PP	PP	19 25 16.9	+0.9
BTO	Baotou	40.92	341	S	S	19 29 53.3	+3.5
BTO	Baotou	40.92	341	SS	SS	19 32 52.3	-0.5
comp-Z, 14nm, 0.5s				pmax	pmax		
BTO	Baotou	40.92	341	pmax	pmax		

BTO	comp-Z, 4.70nm, 6.8s			LR	LR		
YNG	comp-Z, 4.450nm, 12.8s			LR	LR		
BTO	comp-Z, 380nm, 9.2s			LR	LR		
BTO	comp-Z, 1.1um, 24.3s			LR	LR		
ARPS	Mount Arapiles	41.44	162	P	P	19 23 45.2	0.0
YNG	Young	41.82	153	P	P	19 23 49.2	+0.8
USA0B	Ussuriysk Arra	41.90	6	P	P	19 23 48.6	-0.3
USA0B	Ussuriysk Arra	41.90	6	I	I	19 23 52.0	
comp-Z, 2.5nm, 1.1s				P	P	19 23 49.8	+1.0
USA0B	Ussuriysk Arra	41.90	6	P	P	19 23 50.1	+1.3
USA0B	Ussuriysk Arra	41.90	6	P	P	19 23 50.1	+1.3
comp-Z, 2.5nm, 1.0s, baz=192, slow=8.1, SNR=16				LR	LR	19 42 08.3	
USRK	comp-Z, 1.82nm, 21.5s, baz=357, slow=37						
USRK	comp-Z, 2.3nm, 1.0s						
MDJ	Mudanjiang	42.13	3	P	P	19 23 52.3	+1.6
MDJ	Mudanjiang	42.13	3	pmax	pmax		
MDJ	Mudanjiang	42.13	3	P	P	19 23 52.7	+2.0
H11S3	WAKE ISLAND Hy	42.33	65	T	T	20 09 21.4	
H11S1	WAKE ISLAND Hy	42.34	65	T	T	20 09 14.7	
H11S2	WAKE ISLAND Hy	42.34	65	T	T	20 09 14.7	
comp-Z, 2.5nm, 0.7s, baz=258, slow=7.4				eP	P	19 23 53.5	+0.5
XLT	XilinHaoTe	42.39	349	eP	P	19 24 05.4	-1.5
XLT	XilinHaoTe	42.39	349	pP	pP	19 24 05.4	-1.5
XLT	XilinHaoTe	42.39	349	PcP	PcP	19 24 05.4	-1.5
comp-Z, 2.3nm, 1.1s				pmax	pmax		
BRAT	Ballarat	42.84	160	P	P	19 23 57.3	+0.7
CAN	Canberra	42.95	153	P	P	19 23 57.0	-0.6
CAN	Canberra	42.95	153	I	I	19 23 59.2	
CAN	Canberra	42.95	153	P	P	19 23 58.7	+1.1
CAN	Canberra	42.95	153	P	P	19 23 57.0	-0.6
comp-Z, 2.0nm, 0.9s				pmax	pmax		
CAN	Canberra	42.95	153	pmax	pmax		
CAN	Canberra	42.95	153	P	P	19 23 58.4	+0.7
CAN	Canberra	42.95	153	P	P	19 24 00.3	+1.1
LSA	Lhasa	43.29	312	I	I	19 24 16.2	
TOO	Toolangi	43.42	158	P	P	19 24 01.4	0.0
TOO	Toolangi	43.42	158	P	P	19 24 01.4	0.0
comp-Z, 8.0nm, 1.2s				pmax	pmax		
TOO	Toolangi	43.42	158	pmax	pmax		
GTA	Gaotai	44.22	330	eP	P	19 24 08.4	+0.5
GTA	Gaotai	44.22	330	PcP	PcP	19 25 53.8	+1.8
GTA	Gaotai	44.22	330	pmax	pmax		
comp-Z, 4.0nm, 0.8s				LR	LR		
GTA	Gaotai	44.22	330	LR	LR		
comp-Z, 390nm, 18.9s				LR	LR		
GTA	Gaotai	44.22	330	LR	LR		
comp-Z, 300nm, 19.3s				LR	LR		
GTA	Gaotai	44.22	330	LR	LR		
GOMU	Geerliu	44.70	323	P	P	19 24 12.5	+0.4
GOMU	Geerliu	44.70	323	pP	pP	19 24 23.0	-0.8
GOMU	Geerliu	44.70	323	sP	sP	19 24 31.1	+2.4
GOMU	Geerliu	44.70	323	pmax	pmax		
comp-Z, 6.0nm, 1.3s				P	P	19 24 31.3	+1.1
HEH	Heihe	47.69	1	eP	P	19 24 35.5	+0.6
HEH	Heihe	47.69	1	pmax	pmax		
comp-Z, 1.3nm, 1.2s				P	P	19 24 40.6	+0.3
ULN	Ulaanbaatar	48.37	342	P	I	19 24 46.2	
ULN	Ulaanbaatar	48.37	342	P	I	19 24 41.3	+0.9
ULN	Ulaanbaatar	48.37</					

6d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CPVI, GUIA, Garachico, etc.

IDC 06 19:54:44.9,0.2,2.7N,126.84E,h0km,mb3.5/11, mbmp3.5/11, Error ellipse: s-maj=46.1km s-min=15.4km

DJA 06 19:54:51.0,0.2,2.7N,126.84E,h10km,M4.1/13,MB4.8/1, mb4.4/2,MLV4.0/13,MW(MB)4.0/1

ISC 06 19:54:52.0,0.2,2.7N,126.9E,0.1,h53km,n16, c0992/16,mb3.6/10,Northern Molucca Sea

Main table for IDC 06 19:54:52.0,0.2,2.7N,126.9E,0.1,h53km,n16, c0992/16,mb3.6/10,Northern Molucca Sea. Columns: Code, Station Name, Az, Phase ID, Time, Res.

IDC 06 19:54:59.6,0.7,2.31N,126.81E,h0km,mb3.8/12, mbmp3.9/12,ML6.2/1, Error ellipse: s-maj=38.1km

g-rin=13.4km az=74.0, Error ellipse: s-maj=38.1km

ISC 06 19:55:06.3,0.7,2.4N,126.81E,0.2,h53km,n13, c1553/16,mb3.9/11,Northern Molucca Sea

Main table for IDC 06 19:55:06.3,0.7,2.4N,126.81E,0.2,h53km,n13, c1553/16,mb3.9/11,Northern Molucca Sea. Columns: Code, Station Name, Az, Phase ID, Time, Res.

IDC 06 20:02:50.6,1.5,2.37N,126.53E,h0km,mb3.5/5, mbmp3.5/5, Error ellipse: s-maj=11.5km

s-min=21.4km az=72.0,Northern Molucca Sea

Main table for IDC 06 20:02:50.6,1.5,2.37N,126.53E,h0km,mb3.5/5, mbmp3.5/5, Error ellipse: s-maj=11.5km s-min=21.4km az=72.0,Northern Molucca Sea. Columns: Code, Station Name, Az, Phase ID, Time, Res.

IDC 06 20:02:46.4,1.3,34.07N,141.72E,h0km,mb3.9/16, mbmp3.9/21,ML3.3/5, Error ellipse: s-maj=32.7km

s-min=19.1km az=177.0, Error ellipse: s-maj=32.7km

NEIC 06 20:02:48.2,1.7,34.14N,141.8E,0.1,h10km,2km, mb4.3/7, Error ellipse: s-maj=18.5km s-min=6.3km

az=111.0, Error ellipse: s-maj=18.5km s-min=6.3km

JMA 06 20:02:51.2,0.7,34.14N,141.8E,0.1,h29km,MV3.8/38,FAR S2 OFT BOSO PLEN

ISC 06 20:02:51.7,0.7,34.13N,141.68E,0.08,h35km,n57, c0959/57,mb3.9/21, Off east coast of Honshu

Main table for ISC 06 20:02:51.7,0.7,34.13N,141.68E,0.08,h35km,n57, c0959/57,mb3.9/21, Off east coast of Honshu. Columns: Code, Station Name, Az, Phase ID, Time, Res.

2019 JAN

Main table for 2019 JAN. Columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MJHU, JIM2, JTHY, etc.

MOS 06 20:06:25.5,1.1,2.44N,126.62E,h38km,mb5.1/40, Error ellipse: s-maj=10.8km s-min=5.3km az=115.3

BUI 06 20:06:26.9,1.9,39N,126.76E,h8km,mb5.0/6,mb4.8/63, Ms4.7/9,Ms7.4/4/9

NEIC 06 20:06:27.8,2.2,2.45N,10.08,126.89E,0.09,h43km,6km, mb5.0/59, Error ellipse: s-maj=14.8km s-min=9.4km

az=48.0, Error ellipse: s-maj=14.8km s-min=9.4km

DJA 06 20:06:28.8,0.2,3.1N,127.7E,h55km,2km,M4.8/70, mb5.0/70,MB5.3/17,MLV4.9/20,MW(MB)4.8/17

IDC 06 20:06:28.1,1.5,2.40N,126.74E,h46km,mb4.5/40, mbmp4.8/43,ML4.6/3, Error ellipse: s-maj=15.8km

s-min=8.0km az=76.0, Error ellipse: s-maj=15.8km

ISC 06 20:06:29.4,0.5,2.44N,10.04,126.75E,0.05,h57km,4km, h57km:PP-P,n353,c1944/372,mb4.9/122,MS4.2/5, 11C-13D,Northern Molucca Sea

Main table for 2019 JAN (continued). Columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAJO, MJBU, MJMM, etc.

386

Main table for 386. Columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MYLDM, TTSI, BBSI, etc.

M16K	baz=242,SNR=5.6	20.08	57	P	Pn	20 38 58.9	-0.1
C17K	Delong Mountai baz=24	20.15	35	P	Pn	20 38 59.2	-0.6
H17K	Granite Mounta baz=257	20.16	46	P	P	20 38 58.8	+0.8
N16K	Nishik Lake baz=271	20.17	59	P	Pn	20 38 59.9	-0.2
J17K	VABM Dome baz=263,SNR=10	20.23	50	P	P	20 38 59.1	+0.3
L17K	Donlin baz=268	20.45	54	P	Pn	20 39 02.5	-0.9
K17K	Iditarod baz=266	20.50	52	P	P	20 39 02.7	+1.0
O16K	Kokwok River B baz=277	20.53	61	P	Pn	20 39 03.7	-0.6
E18K	Tukpahleark C baz=248	20.62	39	P	P	20 39 03.6	+0.7
P16K	Nushagak River baz=279	20.62	63	P	Pn	20 39 05.7	+0.4
F18K	Selawik baz=252	20.70	41	P	P	20 39 04.8	+1.0
M17K	Holitna River M17K	20.83	56	P	Iamb	20 39 06.3	+1.1
M17K	Holitna River M17K	20.83	56	P	Iamb	20 39 10.3	
M17K	Holitna River M17K	20.83	56	P	P	20 39 06.4	+1.2
H18K	Honhosa River baz=258	20.85	46	P	P	20 39 06.3	+0.9
C18K	Utukok River baz=243	20.88	35	P	Pn	20 39 07.2	-1.3
G18K	Tagagawik baz=255	20.90	43	P	P	20 39 06.4	+0.4
B18K	Kokolik River baz=246	21.00	33	P	Pn	20 39 08.5	-1.2
O17K	Koliganek Bris baz=277	21.02	61	P	P	20 39 09.2	+1.8
L18K	Granite Mounta baz=269	21.21	54	P	P	20 39 10.2	+0.9
J18K	Innoko River J18K	21.29	51	P	Iamb	20 39 10.6	+0.4
J18K	Innoko River J18K	21.29	51	P	Iamb	20 39 10.9	+0.7
O16K	King Salmon baz=281	21.34	64	P	P	20 39 13.2	+2.4
GCSA	Galena City Sc baz=261,SNR=5.6	21.39	47	P	P	20 39 11.8	+0.6
P17K	Kvichak River baz=279	21.40	62	P	P	20 39 12.9	+1.5
F19K	Shalerucik Mo F19K	21.49	41	P	Iamb	20 39 12.9	+0.7
F19K	Shalerucik Mo F19K	21.49	41	P	Iamb	20 39 16.4	
F19K	Shalerucik Mo F19K	21.49	41	P	P	20 39 12.8	+0.6
G19K	Purcell Mounta G19K	21.58	43	P	P	20 39 14.5	+1.2
G19K	Purcell Mounta G19K	21.58	43	P	P	20 39 13.5	+0.2
N18K	Kilae Creek baz=275	21.58	58	P	P	20 39 12.8	-0.6
N18K	Kilae Creek baz=275	21.58	58	P	P	20 39 14.0	+0.7
C19K	Lookout Ridge baz=244	21.60	35	P	P	20 39 13.9	+0.3
M18K	Stony River baz=272	21.60	56	P	P	20 39 14.2	+0.7
ZEK	Zeya baz=259	21.70	283	eP	P	20 39 15.7	+1.0
H19K	Roundabout Mou baz=259	21.71	45	P	P	20 39 14.5	-0.1
O17K	Contact Creek baz=282	21.80	65	P	P	20 39 18.7	+2.9
J19K	Poorman baz=265	21.83	49	P	P	20 39 16.2	+0.2
E19K	Redstone River E19K	21.86	40	P	Iamb	20 39 17.6	+1.2
E19K	Redstone River E19K	21.86	40	P	Iamb	20 39 20.1	
E19K	Redstone River E19K	21.86	40	P	P	20 39 16.5	+0.2
O18K	Koktuh Hills baz=278	21.97	60	P	P	20 39 18.7	+1.2
P18K	Big Mountain, baz=274	22.00	62	P	P	20 39 20.1	+2.3
L19K	White Mountain baz=271	22.07	54	P	P	20 39 18.7	+0.1
N19K	Bonanza Creek baz=276	22.27	58	P	P	20 39 21.4	+0.6
M19K	Big River Lodg baz=271	22.29	55	P	P	20 39 21.9	+1.0
F20K	Avaraart Lake F20K	22.32	41	P	Iamb	20 39 18.5	-2.7
F20K	Avaraart Lake F20K	22.32	41	P	Iamb	20 39 22.9	
F20K	Avaraart Lake F20K	22.32	41	P	P	20 39 20.8	-0.4
H20K	Anotleneega Mo baz=261	22.35	45	P	P	20 39 21.0	-0.5
I20K	Naaghedeneel baz=264	22.42	47	P	P	20 39 22.5	+0.3
K20K	Telida baz=268	22.47	51	P	P	20 39 23.5	+0.6
E20K	Nigu River baz=254	22.47	38	P	P	20 39 22.6	-0.3
J20K	Nowinta River baz=266	22.50	49	P	P	20 39 23.0	0.0
B20K	Meade River baz=245	22.74	33	P	P	20 39 25.6	0.0
TIXI	Tiksi TIXI	22.74	331	P	Iamb	20 39 25.9	+0.3
TIXI	Tiksi TIXI	22.74	331	P	Iamb	20 39 33.9	
TIXI	Tiksi TIXI	22.74	331	P	Iamb	20 39 25.8	+0.2
M20K	Styx River baz=273	22.88	55	P	P	20 39 27.7	+0.4
HEH	Helhe baz=273	22.92	274	eP	P	20 39 23.3	-4.4
G21K	Alakaket baz=263	23.07	43	P	P	20 39 28.3	+0.7
G21K	Alakaket baz=263	23.07	43	P	P	20 39 28.5	+0.7
F21K	Alatina River F21K	23.21	41	P	Iamb	20 39 30.3	-0.3
F21K	Alatina River F21K	23.21	41	P	Iamb	20 39 32.6	
F21K	Alatina River F21K	23.21	41	P	P	20 39 30.2	-0.4
H21K	Melozitna Rive baz=263,SNR=9	23.23	45	P	P	20 39 30.8	+0.1
C21K	Knifblade Rid baz=251	23.23	36	P	P	20 39 30.8	+0.1
CHUM	Lake Minchumin baz=268,SNR=6.8	23.28	50	P	P	20 39 31.7	+0.5
PPLA	Purkeylie baz=277	23.31	52	P	P	20 39 31.7	0.0
E21K	Killik River E21K	23.32	38	P	Iamb	20 39 30.3	-1.3
E21K	Killik River E21K	23.32	38	P	Iamb	20 39 32.1	
E21K	Killik River E21K	23.32	38	P	P	20 39 31.6	0.0
OHAK	Old Harbor baz=286	23.35	67	P	P	20 39 34.2	+2.3
CAST	Castle Rocks baz=270	23.37	51	P	P	20 39 31.5	-0.6
A21K	Barrow baz=242,SNR=6.7	23.43	30	P	P	20 39 32.6	0.0
B21K	Ikpikpuk River baz=260	23.43	35	P	P	20 39 32.5	-0.2
I21K	Tanana baz=265	23.51	47	P	P	20 39 33.2	-0.3
STLK	Strandline Lak STLK	23.52	56	P	Iamb	20 39 32.9	-0.7
STLK	Strandline Lak STLK	23.52	56	P	Iamb	20 39 34.8	
SKT	Skwentna baz=254	23.64	55	P	P	20 39 35.7	+0.9
F22K	John River baz=274	23.77	41	P	P	20 39 36.4	+0.5
A22K	Sinclair Lake baz=246	23.80	32	P	P	20 39 35.9	-0.2
H22K	Ishlaltitna Cre baz=264	23.84	45	P	P	20 39 37.0	+0.4
BPAP	Bear Paw Mtn. baz=269,SNR=14	23.87	49	P	P	20 39 37.5	+0.5
G22K	Bettles baz=261	23.92	42	P	P	20 39 37.4	+0.1
E22K	Anaktuvuk Pass E22K	24.02	39	P	P	20 39 38.2	-0.2
E22K	Anaktuvuk Pass E22K	24.02	39	P	P	20 39 38.3	-0.1
B22K	Teshepkuk Lake baz=249	24.05	34	P	P	20 39 38.6	+0.1
TRF	Thorofore Moun baz=271,SNR=13	24.17	51	P	P	20 39 40.4	+0.5
COLD	Coldfoot	24.42	42	P	P	20 39 42.6	+0.1
G23K	Banaza Creek comp=Z,8.3nm,0.8s	24.48	43	Iamb	Iamb	20 39 43.9	
G23K	Banaza Creek comp=Z,8.3nm,0.8s	24.48	43	P	P	20 39 42.3	-0.3
D23K	Nanushuk River D23K	24.61	38	P	Iamb	20 39 43.5	-0.2
D23K	Nanushuk River D23K	24.61	38	P	Iamb	20 39 45.5	
D23K	Nanushuk River D23K	24.61	38	P	P	20 39 43.4	-0.2
I23K	Minto, Yukon-K baz=268,SNR=20	24.62	47	P	P	20 39 44.3	+0.5
O22K	Cooper Landing baz=268	24.63	58	P	P	20 39 45.0	+1.1
NEA2	Nenana baz=269,SNR=28	24.72	48	P	P	20 39 44.8	+0.1
MCK	McKinley baz=278	24.78	50	P	P	20 39 45.6	+0.3
E23K	Chandalar baz=260	24.82	40	P	P	20 39 45.8	+0.1
C23K	Itkillik River baz=254	24.83	36	P	P	20 39 45.4	-0.3
WAT1	Susitna Watana baz=274	24.98	52	P	P	20 39 46.5	-0.6
MSHR	Mys Shuitsa MSHR	25.02	255	eP	P	20 39 46.9	-0.6
KNK	comp=Z,54nm,1.2s Knik Glacier baz=278	25.14	56	P	P	20 39 48.6	+0.1
SML	Sawmill baz=277	25.16	55	P	P	20 39 49.3	+0.5
E24K	Your Creek baz=261	25.24	40	P	P	20 39 49.7	+0.2
COLA	College COLA	25.25	48	eP	P	20 39 49.5	+0.1
PWL	comp=Z,12nm,0.6s Port Wells baz=280	25.26	57	P	P	20 39 50.1	+0.4
H24K	Noodor Dome baz=267	25.27	45	P	P	20 39 50.1	+0.4
D24K	Happy Valley baz=268	25.30	37	P	P	20 39 50.0	+0.1
WAT6	Susitna Watana baz=276	25.37	53	P	P	20 39 51.0	+0.2
F24K	Squaw Lake comp=Z,6.8nm,0.7s	25.40	41	Iamb	Iamb	20 39 52.3	
F24K	Squaw Lake comp=Z,6.8nm,0.7s	25.40	41	P	P	20 39 51.0	+0.1
M23K	Glacier View baz=263	25.45	55	P	P	20 39 51.6	+0.3
C24K	Franklin Bluff baz=256	25.45	36	P	P	20 39 52.0	+0.7
G24K	Hadweenc Riv baz=265	25.48	43	P	P	20 39 52.2	+0.6
DHY	Desi Highway baz=275,SNR=8.2	25.50	52	P	P	20 39 51.6	-0.3
SCM	Sheep Creek Mo baz=278,SNR=5.1	25.63	55	P	P	20 39 53.5	+0.4
HDA	Harding Lake baz=272,SNR=6.2	25.64	49	P	P	20 39 52.8	-0.2
IL31	comp=Z,9.2nm,0.8s Eielson Array comp=Z,6.8nm,0.7s	25.66	48	Iamb	Iamb	20 39 53.6	
ILAR	Eielson Array comp=Z,6.8nm,0.7s	25.66	48	P	P	20 39 52.6	-0.6
MJAR	Matsushiro Arr comp=Z,2.3nm,0.7s	25.75	236	P	P	20 39 56.4	+2.1
G25K	Bearman Lake baz=267	26.03	43	P	P	20 39 56.4	-0.1
M24K	Tolsona, Glenn baz=274	26.14	54	P	P	20 39 58.7	+1.0
K24K	Donnelly Dome baz=274	26.18	50	P	P	20 39 57.6	-0.3
D25K	Kavik River baz=260,SNR=5	26.19	37	P	P	20 39 57.5	-0.5
PRP	Porcupine Dome baz=270,SNR=12	26.23	46	P	P	20 39 58.9	+0.3
F25K	Christian River comp=Z,5.9nm,0.8s	26.26	41	Iamb	Iamb	20 40 03.2	
F25K	Christian River comp=Z,5.9nm,0.8s	26.26	41	P	P	20 39 59.0	+0.3
J25K	Salcha River, comp=Z,4.3nm,0.7s	26.32	48	Iamb	Iamb	20 39 59.4	
J25K	Salcha River, comp=Z,4.3nm,0.7s	26.32	48	P	P	20 39 58.4	-0.8
E25K	Arctic Village comp=Z,6.4nm,0.6s	26.34	40	Iamb	Iamb	20 40 00.1	
E25K	Arctic Village comp=Z,6.4nm,0.6s	26.34	40	P	P	20 39 59.7	+0.3
ELK	Klutina baz=264,SNR=13	26.34	55	P	P	20 39 59.1	-0.3
PAX	Paxson baz=280	26.38	52	P	P	20 39 59.6	-0.2
EYAK	Cotwa Ski Ar baz=272	26.57	57	P	P	20 40 01.8	+0.4
RIDG	Independent Ri baz=275	26.59	50	P	P	20 40 00.8	-0.9
BMAR	Burnt Mountain						

6d 21h

Table with columns: WRA, ASAR, MKAR, Station Name, Time, Res. Includes Warrungarra Arr, Alice Springs, Makanchi Array.

IDC 06 20:57:28.2.2.2.64N-127.30E, h0km, mb3.4/4, mbtmp3.5/4, Error ellipse: s-maj=128.0km s-min=25.8km az=70.0, Northern Molucca Sea

Table with columns: FITZ, WRA, ASAR, MKAR, Station Name, Time, Res. Includes Fitzroy Crossi, Warrungarra Arr, Alice Springs, Makanchi Array.

IDC 06 21:07:02.3.1.6.276N-127.79E, h0km, mb3.4/4, mbtmp3.5/4, Error ellipse: s-maj=81.7km s-min=24.6km az=69.0, Northern Molucca Sea

Table with columns: FITZ, WRA, ASAR, MKAR, RPZ, Station Name, Time, Res. Includes Fitzroy Crossi, Warrungarra Arr, Alice Springs, Makanchi Array, Rata Peaks.

IDC 06 21:07:25.0.5.2.39N-126.69E, h0km, mb4.3/20, mbtmp4.3/20, MS3.6/2, Error ellipse: s-maj=28.9km s-min=11.9km az=75.0

DJA 06 21:07:31.4.0.3.3'N 3'12.7"E, h10km, M4.4/16, mb4.5/14, m5.0/4, MLN 4/16, Mw(MB)4.3/4

NEIC 06 21:07:31.5.1.8.2.47N-10.06E, 126.89E, 0.05, h3km, 1km, mb4.6/60, Error ellipse: s-maj=11.9km s-min=4.9km az=216.0

ISC 06 21:07:32.8.0.4.2.50N-105.126.84E, 0.06, h53km, n114, c134/114, mb4.4/9, Northern Molucca Sea

Main table for 6d 21h section, listing station names, times, and residuals for various seismic events.

2019 JAN

Main table for 2019 JAN section, listing station names, times, and residuals for various seismic events.

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Table with columns: HSAM, MAHB, IPIR, IKLH, KRSH, Station Name, Time, Res. Includes Mahab, Piripir, Kolahrood, Karshahi.

AEIC 06 21:06:4.0.2.53'71N-10.164'23W, 0.09, h26km, 9km, Error ellipse: s-maj=15.7km s-min=2.2km az=152.0

NEIC 06 21:06:6.0.4.53'68N-10.03'164'22W, 0.04, h35km, 2km, ML2.5(AEIC), Error ellipse: s-maj=6.0km s-min=3.1km az=219.0, Unimak Island region

Table with columns: WESE, WECS, WABT, AKSA, SSSL, AHB, AHB, ISLZ, ISLZ, AKKBA, ZRO, AKMO, AKGC, ISNN, FALS, UNV, UNV, MTBL, MREP, MSW, Station Name, Time, Res. Includes West Dahl Cape, West Dahl East, West Dahl Beart, Akutan Strait, Shishaldin Sou, Akutan Harbor, Isanotski Laza, Akutan Broad B, Akutan Morgan, Akutan Green G, Isanotski Nart, False Pass, Unalaska Valle, Makushin Table, Makushin Rep't, Makushin Switc.

ATH 06 21:21:21.3.37'63N-20'39'E, h6km, 2km, ML3.2/15, Error ellipse: s-maj=2.9km s-min=1.0km az=47.0

THE 06 21:21:21.3.37'64N-20'36'E, h4km, 1km, ML3.1/9, Error ellipse: s-maj=2.0km s-min=0.5km az=23.0

IDC 06 21:21:21.3.37'93N-20'64'E, h0km, mb3.7/8, mbtmp3.7/10, ML1.2/11, MS3.7/2, Error ellipse: s-maj=63.9km s-min=22.9km az=51.0

ISC 06 21:21:21.4.1.4.37'66N-10.04'20.41E, 0.05, h16km, 7km, n49, c104/71, mb3.9/8, Ionian Sea

Main table for 392 section, listing station names, times, and residuals for various seismic events.

Table with columns: WRA, Warramunga Arr, 23.33 162, P, P, 21 38 03.2 -1.5, etc. Includes stations like WARRAMUNGA ARR, QIANGZHONG, WARRAMUNGA ARR, etc.

Table with columns: ULN, Ulanbaatar, 48.47 342, P, P, 21 41 38.8 +0.1, etc. Includes stations like ULANBAATAR, SONM, PETK, WUSHI, etc.

Table with columns: ULM, Lac du Bonnet, 116.19 29, PKP, PKIKP, 21 51 38.5 -0.5, etc. Includes stations like SCHO, TXAR, TORO, etc.

IDC 06 21:56:44.1, 1.0, 39.52N, 77.56E, h0km, mb3.7/1.0, mbtm3.6/16, ML2.9, Error ellipse: s-maj=20.5km s-min=18.4km az=55.0

KRNET 06 21:56:45.2, 0.1, 39.79N, 77.33E, mb3.8 SOME 06 21:56:46.8, 39.97N, 77.57E, h10km NNC 06 21:56:50.6, 1.0, 40.10N, 77.65E, h0km, mb4.2, mpv3.9

Error ellipse: s-maj=7.9km s-min=6.3km az=156.0 ISC 06 21:56:46.5, 0.3, 39.75N, 77.34E, 0.04, h10km, n91, 62500/136, mb3.6/9, 47C-25D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az, Time, Res, etc. Includes stations like NRN, NRN, NRN, etc.

6d 22h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHMS, KPKS, PDGK, etc.

NEIC 06:22:01:43.9, 1.2, 59.61N:0.04:151.18W:0.07, h73km, 3km, Error ellipse: s-maj=5.9km s-min=4.4km az=145.0

AEIC 06:22:01:45.1, 1.0, 59.55N:0.04:151.23W:0.06, h65km, 3km, ML=2.5, ML2=7/89(NEIC), Error ellipse: s-maj=5.8km s-min=4.4km az=152.0, Kenai Peninsula

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CNPM, HOM, etc.

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Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HOM, BRLK, BRSE, etc.

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Table with columns: BMAR, LVA, Burnt Mountain, Lava Point, 8.35, 18, Pn, Pn, 22 03 43.0, -0.3, 22 04 02.1, -0.7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TGY, ASAR, MKAR, ZALV, KURBB.

SOME 06:22:04:24.9, 39.05N:74.35E, h10km KRNET 06:22:04:31.2, 1.0, 39.14N:74.27E, h14km, mb3.1, NNC 06:22:04:32.1, 1.0, 39.32N:74.39E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=11.1km s-min=5.3km az=167.0

ISC 06:22:04:32.7, 1.1, 39.45N:0.05:74.32E:0.03, h10km, n46, s251/81, 30C-19D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SFK, SALK, OSH, etc.

Table with 4 columns: Call sign, Name, Frequency, and other details. Includes entries like KPKS Kokpek, KPKS Kokpek, KPKS Kokpek, KPKS Kokpek, AB31 Akbulak array.

IDC 06 22:05:46.0.0.2, 22.66Sx112.72W, h0km, mb3.8/7, mbmp3.8/7, MS3.1/1, Error ellipse: s-maj=35.6km s-min=27.5km az=59.0

ISC 06 22:05:47.5.0.8, 22.27Sx112.72W, h2.0km, n21, r1512/14, mb3.7/7, Easter Island region

Main table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RPN Rapa Nui, H03N2 Juan Fernandez, H03N3 Juan Fernandez, PLCA Paso Flores, LPAZ La Paz, TXAR Lajitas Array, NVAR Mina Array Bea, PDAR Pinedale Array, YKA Yellowknife Ar, H1S12 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, STKA Stephens Creek, ARCES ARCES Array B, SONM Songino Array, ZALV Zalesovo Beam, BVAR Borovoye Array, CMAR Chiang Mai Arr, KURBB Kurchatov Arr, MKAR Makanchi Array.

DJA 06 22:30:46.4.0.7, 2.2N, 6.12E, h37km, mb3.0/5, MLV3.0/5

IDC 06 22:30:34.8.1.4, 1.72N, 125.87E, h0km, mb3.5/5, mbmp3.5/5, MS2.9/1, Error ellipse: s-maj=151.1km s-min=21.0km az=67.0, Northern Molucca Sea

Table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TINTI Ternate, KAPI Kappang, WRA Warramunga Arr, ASAR Alice Springs, SONM Songino Array, MKAR Makanchi Array, KURBB Kurchatov Arr.

IDC 06 22:31:30.4.1.2, 22.89N, 101.93E, h0km, mb3.4/4, mbmp3.4/5, Error ellipse: s-maj=34.3km s-min=18.8km az=95.0

PLV 06 22:31:34.1.0.7, 23.28N, 101.03E, h2km, 5km, ML3.2 BKK 06 22:31:40.2.8.23, 23.18N, 101.1E, 1.0, h9km, MG3.9/10, mb3.9/2, mB5.3/1, Mjma3.5/10, ML4.2/6, MLV3.9/9, Mw(mB)4.8/1

ISC 06 22:31:35.6.1.1, 22.94N, 0.09, 100.91E, 0.09, h10km, n10, r1529/10, mb3.4/4, Myanmar-China border region

Table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DBV Dienbien, LAMP Lampang, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CM15 Chiang Mai Arr, CM13 Chiang Mai Arr, CM05 Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, WRA Warramunga Arr.

WEL 06 22:35:00.4.0.9, 37.57S, 177.88E, h161km, 10km, MG3.1/14, ML3.6/13, MLV3.1/14, Error ellipse: s-maj=10.6km s-min=7.6km az=125.6, Off east coast of North Island

Table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, HAZ Te Kaha, WMGZ Waioamatatini S, WMGZ Puketiti, PUZ Puketiti, TWGZ Tauwhareparae, URZ Urewera, URZ Te Karaka, TKGZ Carnagh Statio, CNGZ Carnagh Statio, MUGZ Murupara, MUGZ Rimuhau, RIGZ Rimaui, RIGZ Ruatahunu, RTZ Tahuroa Road, SNGZ Shannon Statio.

Table listing stations with columns: Call sign, Name, Frequency, and other details. Includes entries like SNGZ Moutapu North, MBAZ Moutapu North, MTHZ Maungataniwha, MTHZ Aarahi, RAHZ Aarahi, SNGZ Kokohu, KNZ Kokohu, MRHZ Matea Rd, TLZ Tolley Road, WHZ Wahia, WHZ Mahia, MHGZ Mahia Peninsula, MHGZ Naumai, NMHZ Aropoanui, ARHZ McNeill Hill, MCHZ McNeill Hill, NTVZ North Tongarirua, TWZ Te Maari, KWHZ Kaweka Forest, KWHZ Hawaii, HIZ East Tongarirua, ETVZ East Tongarirua, WTVZ West Tongarirua, NWZ North Ngauruhoe, OTVZ Otuaere, SNVZ South Ngauruhoe, TWVZ Taurewa, CKHZ Cape Kidnapper, NGZ Ngauruhoe, TUWZ Tukino, TRVZ Terau, WNVZ Wahianoa, MOVZ Moawhango, KRHZ Kereru, KAHZ Kahuranaki, PAVZ Pukerua, PNHZ Pukenui, TSZ Takapari Road, PRHZ Porangahau, DVHZ Dannevirke, ANWZ Angora Road, RWZ Rot Road, BFZ Birch Farm, MRZ Mangatoinaka R, TIWZ Tintock, HOWZ Holdsworth Sta, KIWZ Kapiti Island, CAW Cannon Point.

IDC 06 22:39:40.8.2.0, 2.42N, 126.81E, h0km, mb3.4/4, mbmp3.4/4, Error ellipse: s-maj=178.0km s-min=23.3km az=67.0, Northern Molucca Sea

Table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arr.

UPA 06 22:46:40.4.0.9, 8.17N, 77.36W, h13km, 9km, ML3.6 RSNK 06 22:46:40.6.0.8, 8.1N, 77.7W, h10km, 2km, M2.0, ML1.9

ISC 06 22:46:39.3.1.0, 8.18N, 0.03, 77.38W, 0.03, h16km, 10km, n10, r1547/20, 1D, Panama-Colombia border region

Table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CAPC Capurgana, CAPC Capurgana, UPD2 Meteti, APAC Apartado, APAC Apartado, PTAC Punta Arditia, PTAC Punta Arditia, PTAC Punta Arditia, TOTI Torti, TOTI Torti, LCBC Los crdobas, LCBC Los crdobas, LCBC Los crdobas, DBBC Dabeiba, DBBC Dabeiba, UREC San Jos de Ur, UREC San Jos de Ur.

IDC 06 22:54:16.0.2.2, 2.19N, 126.48E, h0km, mb3.4/3, mbmp3.4/3, MS3.4/1, Error ellipse: s-maj=179.8km s-min=26.8km az=66.0, Northern Molucca Sea

Table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 06 23:02:00.1.0.7, 2.34N, 126.70E, h0km, mb3.9/16, mbmp3.9/16, MS3.2/3, Error ellipse: s-maj=36.6km s-min=13.5km az=74.0

DJA 06 23:02:06.1.1.1, 2.2N, 127.2E, h19km, 9km, M4.0/11, mb4.2/2, MLV3.9/11

NEIC 06 23:02:09.5.2.3, 1.84N, 0.09, 126.41E, 0.07, h49km, 7km, mb4.3/15, Error ellipse: s-maj=14.9km s-min=6.6km az=218.0

ISC 06 23:02:07.4.0.5, 2.27N, 0.07, 126.75E, 0.09, h55km, n42, r1544/40, mb4.0/21, Northern Molucca Sea

Table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TINTI Ternate, TINTI Ternate, SANGI Sangihe, SANGI Sangihe, SANI Sanana, DAV Davao City (W), LUWI Luwuk.

Table listing stations with columns: Call sign, Name, Frequency, and other details. Includes entries like TOLIZ Toitoli, KDI Kendari, FAKI Fak Fak, MVLMI Lahad Datu, KKM Kinabalu, MTN Manton Dam, KNRA Kununurra, FITZ Fitzroy Cross, FITZ Fitzroy Cross, COEN Coen, WBO Warramunga Arr, WRA Warramunga Arr, WB2 Warramunga Arr, KULM Kulim, ASAR Alice Springs, CMAR Chiang Mai Arr, FORT Forrest, KSRK Korea Array, MJAR Matsushiro Arr, BBOO Buekoo, EIDS Eidsvold, STKA Stephens Creek, ARMA Armidale, USRK Ussuriysk Arr, PALK Pallekele, SONM Songino Array, MK31 Makanchi Array, MKAR Makanchi Array, THZ Topouse, ZALV Zalesovo Beam, KURBB Kurchatov Arr, BVAR Borovoye Array, NRK Norik, AKTO Aktysk, ILAR Eielson Array.

NDI 06 23:10:35.7.3.4, 34.66N, 78.44E, h10km, ML3.9, MW4.1, mb4.3(NEIC)

IDC 06 23:10:38.5.0.8, 34.16N, 78.12E, h0km, mb3.9/16, mbmp3.9/20, ML3.2/4, Error ellipse: s-maj=22.6km s-min=14.3km az=50.0

NEIC 06 23:10:42.2.3.3, 34.2N, 0.1, 78.1E, 0.1, h10km, 2km, mb4.3/11, Error ellipse: s-maj=20.1km s-min=12.4km az=219.0

ISC 06 23:10:40.9.0.5, 34.20N, 0.04, 78.14E, 0.06, h10km, n58, r1578/66, mb4.0/21, Kashmir-Xizang border region

Table listing stations with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DHRM DHARAMSHALA, DHRM DHARAMSHALA, DHRM Srinagar, SRNI Srinagar, SRNI Srinagar, JMU Jammu, JMU Jammu, JMU Jammu, BHK Bhakra, BHK Bhakra, SMLA Simla, LGTI Lohaghat, LGTI Lohaghat, KSH Kashi, KSH Kashi, UGON Onchagoon, UGON Onchagoon, KUDL Kundal, KUDL Kundal, DRK Karamyk, NRN Naryn, KBL Khatm, GAR Garm, ARSB Arslanbob, BTk Batken, SIMJ Simiganj, AAK Alay, AAK Alay, AAK Alay, KKAR Karatay Array.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like E21K Killik River, G23K Bananza Creek, and various other frequencies.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like PDAR Pinedale Array, FINES FINES Array B, and various other frequencies.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like ARCES ARCES Array B, KBZ, FIAI, and various other frequencies.

7d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONMG Songo Array, MKAR Makanchi Arra, ZALV Zalesovo Beam, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMM Marumori, JNU Nakatsue, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSRs Korea Array, TGY Tagaytay City, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONMG Songo Array, CMAR Chiang Mai Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANM Nome, ZALV Zalesovo Beam, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSI Prapat, WB2 Warramunga Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, MK31 Makanchi Arra, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKUR Kurchatov Arra, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like D22K Ayikyak River, BVAR Borovoye Array, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, BRVK Borovoye, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KARAT Karatay Arra, I28M Miner Creek, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHGR Chuyangaron, SIMJ Simiganj, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like G31M Satah River, INK Inuvik, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARTI Akbulak array, YKA Yellowknife Arr, etc.

2019 JAN

comp=Z,0.8nm,0.7s,baz=65,slow=6.8,SNR=2.8 comp=Z,0.8nm,0.7s

FUNV 07:01:59:46.2, 10:25N:68:10W, h10km, MW3.7

RSNC 07:02:00:15.9, 9.0, 10 N63 x 7 OWL, h12km, 7km, M2.6, mb4.1, mB5.4, ML2.4, Mw(mb)3.3

ISC 07:01:59:46.0, 1.3, 10:25N:68:10W, 0.03, h14km, 10km, n28, -1506/37, 2C-5D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAPV Macapao, MAPV Beln, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, AUA1 Aruba, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHIC Chingaza, VILC Villavicencio, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUY2C Guyana, URMCL La Uribe, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ORTC Ortega, ORTC Ortega, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SET Setif, CJSR Ain Djasser, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DFRA Djebel Bou Aff, CKTS El Kantara, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like COAT Oued Athmania, CTHE Djebel Teioual, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CASH Ain Smeira, CTGD Timagd, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABDSD Ouled Sidi Bra, ATKJ Tikjda, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKED El Kharrouba, ABRIN Birine, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EDRD Deurdeur, EARB Arib, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KEST Kera, FIGM Figuig, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FIGM Figuig, JBK Jibeca Array, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MDR Midelt, TORDI Tor di Bea, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Arra, TORDI Tor di Bea, etc.

404

mbmp3.7,7,MS3.0/1, Error ellipse: s-maj=67.6km

s-min=18.4km az=72.0 DJA 07:02:06:53.1, 1.3, 2N:4 x 12 7E, h16km, 12km, M3.7/8, MLV3.7/8

ISC 07:02:06:55.2, 0.9, 2.31N:0:08:126.7E:0.1, h55km, n12, -0566/11, mb3.7/8, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, USRK Usuriysk Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Arra, ILAR Eielson Array, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SGSI Sangihe, TANI Ternate, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Arra, KURBB Kurchatov Arra, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONMG Songo Array, MKAR Makanchi Arra, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, WRA Warramunga Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Arra, WRA Warramunga Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

FITZ	Fitzroy Crossi	20.18 183	P	P			02 49 34.3 +0.2
FITZ	Fitzroy Crossi	20.18 183	P	P			02 49 34.9 +0.8
WB0	Warramunga Arr	23.08 161	P	I	Amb		02 50 04.3 -0.8
WB0	Tennant Creek	23.22 162	P	P			02 50 05.9 -0.6
WRAB	Warramunga Arr	23.22 162	P	P			02 50 05.6 -0.9
WB2	Warramunga Arr	23.23 162	P	P	I	Amb	02 50 05.7 -0.9
WB2	Alice Springs	26.63 165	P	P			02 50 37.5 -0.2
ASAR	Alice Springs	26.63 165	P	P	P	P	02 54 01.1 +0.1
ASAR	Chiang Mai Arr	31.66 303	P	P			02 51 23.4 +0.8
CMAR	Forrest	32.80 178	P	P			02 51 32.5 +0.2
FBOOT	Buckleboe	35.91 167	P	P			02 52 05.1 -0.1
STKA	Stephens Creek	36.70 159	P	P			02 52 05.4 -0.5
STKA	Stephens Creek	36.70 159	P	P			02 52 05.6 -0.3
ARMA	Armadale	40.04 146	P	P	I	Amb	02 52 36.6 +1.1
ARMA	Songino Array	46.75 342	P	P			02 52 45.3
SOMM	Songino Array	46.75 342	P	P			02 52 45.3
MKAR	Makanchi Array	58.82 326	P	P			02 52 54.5 -1.6
MKAR	Makanchi Array	58.82 326	P	P			02 54 56.0 -1.1
KURBB	Kurchatov Arr	63.03 328	P	P	I	Amb	02 55 24.6 -0.9
KURK	Kurchatov	63.03 328	P	P	I	Amb	02 55 23.3 -2.3
KURK	Borovoye Array	68.61 327	P	P	I	Amb	02 55 29.4
BVAR	Borovoye Array	68.61 327	P	P			02 56 03.1 +1.7
ABKAR	Abkulkul array	73.33 321	P	P	I	Amb	02 57 03.2
ABKAR	Kuna River	82.56 21	P	P	I	Amb	02 57 21.9 +0.8
D19K	Cape Douglas,	82.79 31	P	P			02 57 55.3
Q19K							02 57 22.4 0.0

NEIC 07 02:45:20.2 ± 1.5, 3117N, 0102:103:251W, 01008, h5km, 1km, ml_Lg2.5/19, ML2.3/46, Error ellipse: s-maj=3.0km s-min=5km az=191.0, Western Texas

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	Time Res
MNHN	Monahans	0.45 67	P	Pg	Pg	02 45 29.5	+0.5
MNHN				Pg	Pg	02 45 36.4	+1.4
MNHN				IAML		02 45 40.0	
PECS	Pecos	0.56 291	P	Pg	Pb	02 45 32.1	-0.6
PECS				Pg	Sb	02 45 40.4	-0.8
PECS				IAML		02 45 44.8	
ALPN	Alpine	0.86 203	Pg	Pg	Pg	02 45 35.9	-0.8
ALPN				Pg	Pg	02 45 46.7	-1.1
ALPN				IAML		02 45 54.7	
ODSA	Odessa	1.12 32	Pg	Pg	Pg	02 45 41.4	-0.4
ODSA				Pg	Sb	02 45 57.2	-0.1
ODSA				IAML		02 46 07.0	
ODSA	Carlsbad	1.22 334	Pg	Pg	Pg	02 45 42.4	-1.3
CLNB	Carlsbad 7	1.33 339	Pg	Pn	Pn	02 45 44.9	-0.7
CLNB	Hat Mesa	1.34 346	Pg	Pn	Pn	02 45 46.1	+0.1
VHRN	Van Horn	1.54 256	Pn	Pn	Pn	02 45 48.6	+0.1
VHRN				IAML		02 46 15.7	
SAND	Sanderson	1.55 141	Pn	Pn	Pn	02 45 49.0	+0.4
SAND				IAML		02 46 38.0	
OZNA	Ozona	1.84 97	Pn	Pb	Pb	02 45 53.9	-0.5
TX31	Lajitas Ar. Si	1.86 191	Pn	Pn	Pn	02 45 53.2	+0.3
SGCY	Sterling City	1.96 67	Pn	Pb	Pb	02 45 55.4	-1.1
SGCY				IAMB_Lg		02 46 24.0	
POST	Post	2.41 38	Pn	Pn	Pn	02 46 00.8	+0.4
SN05	Snyder 5	2.64 49	Pn	IAMB_Lg		02 46 47.7	
SN07	Snyder 07	2.77 46	Pn	Pn	Pn	02 46 06.1	+0.8
DRIO	Del Rio	2.86 127	Pn	Pn	Pn	02 46 07.7	+1.1
DRIO				IAMB_Lg		02 46 56.8	
JCT	Junction City	3.04 102	Pn	Pn	Pn	02 46 10.5	+1.4
JCT				IAMB_Lg		02 47 00.3	
DKNS	Dickens	3.18 38	Pn	Pn	Pn	02 46 11.9	+1.0
DKNS				IAMB_Lg		02 47 07.5	
APMT	Aspermont	3.42 50	Pn	Pn	Pn	02 46 15.8	+1.6
APMT				IAMB_Lg		02 47 12.5	
BRDY	Brady	3.64 87	Pn	Pn	Pn	02 46 18.8	+1.5
HNDO	Hondo	3.80 114	Pn	Pn	Pn	02 46 21.6	+2.2
PLPT	Palo Pinto	4.05 67	Pn	Pn	Pn	02 46 30.8	+1.7
PLPT				IAMB_Lg		02 47 54.5	
SMWD	Samnorwood	4.67 32	Pn	Pn	Pn	02 46 31.6	+0.1
435B	Jarrell	4.88 93	Pn	Pn	Pn	02 48 01.6	
WNOK	Wichita Montia	5.18 45	Pn	Pn	Pn	02 46 40.3	+1.9
SDCO	Great Sand Dun	6.82 345	Pn	IAMB_Lg		02 49 12.0	

RSNC 07 02:47:05.0 ± 0.11 N, 111° 47' 44" W, h29km, m2km, M2.6, mb3.6, ML2.4, Near north coast of Colombia

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	Time Res
SMRC	Santa Marta, M	0.54 349	P	Pb	Pb	02 47 16.0	-0.6
SMRC				Sb	Sb	02 47 23.9	-0.2
ARGC	Ariguani, Magd	0.78 189	P	Pn	Pn	02 47 19.0	-1.5
ARGC				Sb	Sb	02 47 31.0	-0.2
SJCC	San Jacinto, C	1.27 235	P	Pn	Pn	02 47 22.1	-1.6
SJCC				Sb	Sb	02 47 43.0	-0.6
CRJC	Cerrejon, Guaj	1.28 72	P	Pn	Pn	02 47 26.2	-1.3
CRJC				Pb	Pb	02 47 26.3	-2.7
CRJC				Pb	Pb	02 47 26.3	-2.7
CRJC				Sb	Sb	02 47 43.1	-0.6
URIC	Uribia, Colomb	2.34 63	P	Pn	Pn	02 47 11.5	-0.6
URIC				Sb	Sb	02 48 14.8	-0.8
OCAC	Ocana	2.50 162	P	Pn	Pn	02 47 45.1	+0.7
OCAC				Sb	Sb	02 48 16.2	+2.1
ZARC	Zaragoza, Cauc	3.20 193	P	Pn	Pn	02 47 56.8	+2.9
ZARC				Sb	Sb	02 48 36.3	-4.0
PAMC	Pamplona, Colo	3.56 157	P	Pn	Pn	02 48 08.5	+1.3
PAMC				Sb	Sb	02 48 40.5	-0.1
SDV	Santo Domingo	3.85 116	P	Pn	Pn	02 48 03.1	+0.1
SDV				Sb	Sb	02 48 46.2	-1.2
PTBC	PUERTO BERRIO,	4.08 185	P	Pn	Pn	02 48 08.1	+2.1
PTBC				Sb	Sb	02 48 52.7	-0.1
BARC	Barichara	4.12 167	P	Pn	Pn	02 48 08.5	+1.8
BARC				Sb	Sb	02 48 57.5	+3.4
TAMC	Tame, Arauca	4.76 151	P	Pn	Pn	02 48 17.0	+1.6
TAMC				Sb	Sb	02 49 09.8	+0.2
RUSC	La Rusia	4.82 168	P	Pn	Pn	02 48 17.7	+1.1
RUSC				Sb	Sb	02 49 10.2	+1.5
CBOC	Ciudad Bolivar	5.09 202	P	Pn	Pn	02 48 19.7	-0.4
GUY2C	Guayana, Caldas	5.51 193	P	Pn	Pn	02 48 26.3	+0.2
GUY2C				Sb	Sb	02 49 27.0	-1.8
CHIC	Chingaza	5.97 176	P	Pn	Pn	02 48 35.1	+2.7
CHIC				Sb	Sb	02 49 44.0	+3.9

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IDC 07 02:58:21.7 ± 2.2, 230N, 126°46'E, h0km, mb3.2/3, mbtm3.2/3, Error ellipse: s-maj=255.9km s-min=28.3km az=66.0, Northern Molucca Sea

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	Time Res
WRA	Warramunga Arr	23.42 161	P	P	I	Amb	03 03 31.6 -1.0
ASAR	Alice Springs	26.81 165	P	P			03 04 04.2 +0.4
MKAR	Makanchi Array	58.57 326	P	P			03 08 20.8 +0.5

IDC 07 03:01:40.0 ± 0.9, 2°52'N, 127°03'E, h0km, mb3.9, mbtm3.7/9, Error ellipse: s-maj=61.3km s-min=15.7km az=73.0

DJA 07 03:01:45.5 ± 0.9, 2°N, 127°12'E, h13km, mb3.8/8, ML3.3/8

ISC 07 03:01:47.0 ± 0.8, 2°48'N, 127°12'E, h53km, n13, s1505/15, mb3.7/8, Northern Molucca Sea

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	Time Res
TNTI	Ternate	1.73 169	P	Pn	Pn	03 02 13.9	-0.9
TNTI				S	S	03 02 37.2	+1.5
SGSI	Sangihe	1.92 309	P	Pn	Pn	03 02 16.8	-0.5
SGSI				S	S	03 02 40.3	0.0
KMSI	Cibinong	3.59 238	P	Pn	Pn	03 02 39.7	-0.5
SANI	Sanana	4.62 193	P	Pn	Pn	03 02 52.7	-1.7
FITZ	Fitzroy Crossi	20.50 184	P	P			03 06 22.2 +1.4
WRA	Warramunga Arr	23.41 162	P	P	I	Amb	03 06 50.7 -0.8
ASAR	Alice Springs	26.84 166	P	P			03 07 22.0 -0.7
MJAR	Matsushiro Arr	35.43 16	P	P			03 08 37.6 -0.6
STKA	Stephens Creek	36.86 159	P	P			03 08 50.8 +0.4
SOMM	Songino Array	48.57 342	P	P			03 10 26.8 +1.6
MKAR	Makanchi Array	58.75 326	P	P			03 11 38.7 -0.9
KURBB	Kurchatov Arr	62.95 328	P	P	I	Amb	03 12 07.9 -0.1
BVAR	Borovoye Array	68.52 327	P	P			03 12 43.8 -0.2

IDC 07 03:04:45.7 ± 1.8, 5°49'S, 151°87'E, h0km, mb3.9/5, mbtm4.0/6, ML2.4/1, Error ellipse: s-maj=73.7km s-min=22.7km az=123.0

ISC 07 03:04:50.5 ± 1.8, 5°58'S, 152°02'E, h35km, n7, s156/8, mb3.7/5, New Britain region

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	Time Res
PMG	Port Moresby	6.01 233	Pn	Pn	Pn	03 06 18.6	+1.5
PMG				S	S	03 07 22.3	-2.4
WRA	Warramunga Arr	22.22 229	P	P	I	Amb	03 09 43.9 -0.3
ASAR	Alice Springs	24.90 223	P	P			03 10 10.6 +0.2
FITZ	Fitzroy Crossi	28.51 242	P	P			03 10 44.4 +1.5
SOMM	Songino Array	66.75 328	P	P			03 15 38.5 +0.1
ILAR	Eielson Array	83.36 22	P	P			03 17 13.0 -0.8
TORD	Tordi Ar. Bea	149.86 286	PKPbc	PKPbc			03 24 37.0 -1.1

IDC 07 03:08:38.9 ± 0.8, 2°18'N, 126°37'E, h0km, mb3.7/9, mbtm3.8/9, Error ellipse: s-maj=58.2km s-min=15.4km az=73.0

DJA 07 03:08:43.5 ± 0.3, 2°N, 127°12'E, h10km, M4.0/10, ML4.0/10

NEIC 07 03:08:44.5 ± 1.5, 2°23'N, 126°39'E, 0.10, h35km, 2km, mb4.1/15, Error ellipse: s-maj=21.7km s-min=8.8km az=225.0

ISC 07 03:08:45.0 ± 0.6, 2°17'N, 126°34'E, h0km, n34, s127/34, mb4.0/16, Northern Molucca Sea

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h m s	Time Res
SGSI	Sangihe	1.71 332	P	Pn	Pn	03 09 14.8	+1.9
TNTI	Ternate	1.72 143	P	Pn	Pn	03 09 13.2	-1.9
TNTI				S	S	03 09 13.5	+0.2
TNTI				S	S	03 09 35.7	+1.8
KMSI	Cibinong	2.84 236	P	Pn	Pn	03 09 34.2	+5.8
SANI	Sanana	4.20 185	P	Pn	Pn</		

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7d 3h	NACB	Ninganchiao	16.23 358	P	Pn	03 15 43.2 +2.6
	NACB	Ninganchiao	16.23 358	P	Pn	03 15 44.6 +0.9
	QIZ	Qiongzhou	16.27 314	P	P	03 15 39.8 -1.4
	QIZ			S	Sn	03 18 40.0 -1.7
	QIZ	comp=Z,29nm,1.0s			pmax	
	QIZ	comp=Z,650nm,5.9s			pmax	
	QIZ	comp=Z,4um,10.6s		LR	LR	
	QIZ	comp=Z,3um,11.4s		LR	LR	
	QIZ	comp=Z,4um,13.7s		LR	LR	
	BAKI	Blak	16.27 314	P	Pn	03 15 46.7 +2.5
	BAKI	Blak	16.27 314	P	Pn	03 15 47.8 +2.1
	YHNB	Yeheng	16.73 358	P	Pn	03 15 48.0 +0.9
	YHNB	Yeheng	16.73 358	P	Pn	03 15 51.1 +1.7
	KMMI	Kaliangnet	16.89 209	P	P	03 15 51.8 +0.8
	PLAI	Plampang	17.12 195	P	P	03 15 56.0 +2.3
	PLAI	Plampang	17.12 195	P	P	03 15 54.7 +1.0
	SRBI	Singaraja	17.26 204	P	P	03 15 56.4 +1.2
	OZH	Quanzhou	17.32 349	P	P	03 15 57.4 +1.7
	OZH			S	Sn	03 19 05.5 -1.4
	OZH			sS	sS	03 19 22.2 +0.3
	OZH	comp=Z,88nm,1.3s			pmax	
	OZH	comp=Z,3um,14.8s		LR	LR	
	OZH	comp=Z,3um,11.9s		LR	LR	
	OZH	comp=Z,4um,16.1s		LR	LR	
	GZH	Guangzhou	17.32 332	P	P	03 16 01.7 +6.0
	GZH			S	S	03 19 19.0 +3.3
	GZH	comp=Z,4um,14.7s		LR	LR	
	GZH	comp=Z,2um,15.5s		LR	LR	
	SOEI	Soe	17.63 173	P	P	03 16 00.9 +1.5
	SOEI	Soe	17.63 173	P	P	03 16 10.7 +1.3
	SOEI	Soe	17.63 173	P	P	03 16 01.4 +2.0
	TPI	Tanjungpandan	17.85 234	P	Pn	03 16 02.2 +1.1
	UBPT	Ubung	17.87 296	P	Pn	03 16 02.2 +1.0
	UBPT	Ubung	17.87 296	P	Pn	03 16 03.3 +2.0
	BATI	Baumata	18.02 175	P	Pn	03 16 03.0 -0.1
	BATI	comp=Z,7.3nm,0.3s,baz=22,slow=5.4,SNR=6.8			S	03 19 28.0 +4.0
	BATI	comp=Z,20nm,0.5s,baz=319,slow=20,SNR=1.6		LR	LR	03 24 06.7
	BATI	comp=Z,3um,20.1s,baz=354,slow=41				
	BATI	comp=Z,41nm,0.4s				
	BATI	comp=Z,3um,comp=Z,3um,comp=Z,122nm,0.9s				03 16 06.8 +3.2
	JAGI	Jajag, Banyuw	18.05 206	P	Pn	03 16 04.5 +1.0
	JAGI	Jajag, Banyuw	18.05 206	P	Pn	03 16 05.6 +1.7
	JAGI	Jajag, Banyuw	18.05 206	P	Pn	03 16 06.1 +2.2
	GMJI	Gumukmas	18.20 208	P	P	03 16 08.2 +2.7
	NGJI	Ngawi	18.27 215	P	Pn	03 16 12.7 +4.0
	PWJI	Pagerwojo	18.82 213	P	Pn	03 16 15.0 +2.1
	MYKM	Kota Tinggi	19.14 253	P	P	03 16 14.8 +1.2
	MYKM	Kota Tinggi	19.14 253	P	P	03 16 16.5 +0.5
	SMPI	Sarmi	19.25 120	P	P	03 16 19.0 +1.9
	BTDF	Bukit Timah Da	19.36 251	P	P	03 16 19.9 +1.6
	JOW	Kunigami	19.76 17	P	P	03 16 23.0 +0.4
	JOW	comp=Z,259nm,0.9s			Iamb	03 16 25.3
	JOW	Kunigami	19.76 17	P	P	03 16 23.3 +0.6
	JOW	comp=Z,5.7nm,0.3s,baz=205,slow=9.2,SNR=37			S	03 20 08.6 +2.5
	JOW	comp=Z,7.1nm,0.7s,baz=131,slow=19,SNR=1.3		LR	LR	03 23 45.1
	JOW	comp=Z,4um,20.9s,baz=179,slow=36				
	JOW	comp=Z,204nm,0.8s				
	JOW	Kunigami	19.76 17	P	P	03 16 24.3 +1.6
	JMZ	Minamidaito 2	19.87 25	P	P	03 16 24.5 +0.7
	JMZ	Minamidaito 2	19.87 25	P	P	03 16 25.1 +1.3
	KPJI	Karang Pucung	20.00 221	P	Pn	03 16 28.2 +1.1
	PMBI	Palemang	20.33 239	IAMS_20	IAMS_20	03 25 26.8
	LEM	Lembang	20.52 225	P	P	03 16 34.0 +2.8
	LEM	comp=Z,32nm,0.8s,baz=0.0,slow=20,SNR=6.1			S	03 20 28.0 +3.2
	LEM	comp=Z,15nm,0.4s,baz=11,slow=19,SNR=1.6			S	03 16 32.8 +1.6
	GULI	GuLin	20.63 329	P	P	03 16 34.9 +2.8
	GULI	comp=Z,840nm,1.2s			pmax	
	GULI	comp=Z,4um,16.6s		LR	LR	
	GULI	comp=Z,2um,15.6s		LR	LR	
	GULI	comp=Z,6um,15.6s		LR	LR	
	GENI	Genyem	20.81 119	P	P	03 16 36.4 +2.3
	GENI	Genyem	20.81 119	P	P	03 16 35.9 +1.8
	EBJI	Bungbulang	20.93 224	P	P	03 16 37.3 +1.6
	CNJI	Cibinong	21.00 225	P	P	03 16 41.0 +2.6
	IPM	Iphoh	21.21 262	P	P	03 16 37.6 -0.9
	IPM	comp=Z,110nm,1.1s			Iamb	03 16 44.2
	IPM	Iphoh	21.21 262	P	P	03 16 39.3 +0.8
	JAY	Jayapura	21.24 118	P	P	03 16 40.5 +1.7
	JAY	comp=Z,106nm,1.1s,baz=288,slow=20,SNR=7.9		LR	LR	03 24 33.1
	JAY	comp=Z,2um,18.7s,baz=338,slow=36				
	JAY	comp=Z,2um,18.7s,baz=338,slow=36				
	JAY	Jayapura	21.24 118	P	P	03 16 40.6 +1.8
	SKJI	Sukabumi	21.40 227	P	P	03 16 43.5 +3.0
	KULM	Kulim	21.45 264	P	P	03 16 41.0 0.0
	KULM	comp=Z,190nm,1.3s			Iamb	03 16 47.5
	KULM	Kulim	21.45 264	P	P	03 16 42.6 +1.5
	MDSI	Maura Dua	21.67 236	P	P	03 16 45.7 +2.3
	CGJI	Cibinong	21.77 229	P	P	03 16 48.1 +3.6
	DRS	Darwin Rock St	21.98 156	P	P	03 16 48.1 +1.4
	CNSH	ChangSha	21.99 338	P	P	03 16 47.2 +0.5
	CNSH			S	S	03 20 49.4 +0.2
	CNSH	comp=Z,24nm,0.9s			pmax	
	CNSH	comp=Z,2um,13.1s		LR	LR	
	CNSH	comp=Z,3um,12.6s		LR	LR	
	CNSH	comp=Z,2um,14.9s		LR	LR	
	LWLI	Liwa	22.07 235	P	P	03 16 50.9 +3.0
	SLVN	Sen La	22.08 309	P	P	03 16 47.1 -0.8
	SLVN	Sen La	22.08 309	P	P	03 16 48.3 +0.4
	SRIT	Nakonsritamara	22.27 273	P	P	03 16 51.1 +1.2
	BKNI	Bangkinang	22.28 251	P	P	03 16 48.6 -1.4
	BKNI	comp=Z,165nm,1.1s			Iamb	03 16 58.1
	BKNI	Bangkinang	22.28 251	P	P	03 16 51.9 +1.9
	BKNI	Bangkinang	22.28 251	P	P	03 16 51.2 +1.2
	MTN	Manton Dam	22.44 156	P	P	03 16 51.1 -0.5
	MTN	Manton Dam	22.44 156	P	P	03 16 51.9 +0.2
	MTN	Manton Dam	22.44 156	P	P	03 16 51.5 -0.2
	KSI	Kapahiang	22.56 240	P	P	03 16 54.9 +1.8
	MNAI	Manna	22.62 238	P	P	03 16 55.6 +1.9
	KDU	Kakadu	22.87 153	P	P	03 16 55.6 -0.6
	KDU	Kakadu	22.87 153	P	P	03 16 56.1 -0.1
	GUMO	Guam	23.08 74	LR	LR	03 24 09.9
	TABU	Tabubil	23.11 124	P	P	03 17 00.4 +1.5
	SSE	Sheshan	23.13 358	P	P	03 17 59.7 +0.9
	SSE			S	S	03 21 09.8 -0.1
	SSE			S	S	03 21 09.8 -0.1
	SSN	comp=Z,40nm,0.9s			pmax	
	SSE	comp=Z,750nm,6.7s			pmax	
	SSE	comp=Z,600nm,17.5s		LR	LR	
	SSE	comp=Z,710nm,17.9s		LR	LR	
	PPI	Padang Panjang	23.15 250	P	P	03 16 59.7 +0.5
	SRDT	SRDT	23.43 288	P	P	03 17 04.2 +2.2
	MNSI	Mandailing Nat	23.50 254	P	P	03 17 03.2 +0.5
	PSI	Prapat	23.60 259	LR	LR	03 29 43.2
	PSI	Prapat	23.60 259	P	P	03 17 03.7 -0.1
	PSI	Prapat	23.60 259	P	P	03 17 03.0 -0.8
	RPSI	Rantau Prapat	23.62 259	P	P	03 17 03.0 -0.9
	RPSI			Iamb	Iamb	03 17 05.4
	WHN	Wuhan	23.70 343	↑P	P	03 17 05.3 +0.8
	WHN			pP	pP	03 17 11.5 +3.9
	WHN			pP	pP	03 17 14.9 +5.5
	WHN			S	S	03 21 19.5 +0.3
	WHN	comp=Z,3um,5.1s			pmax	
	WHN	comp=Z,3um,13.1s		LR	LR	
	WHN	comp=Z,8um,12.0s		LR	LR	
	PHRA	Phrae	23.74 299	P	P	03 17 03.9 -1.0
	TSI	Tuntung	23.80 261	P	P	03 17 06.1 +0.5
	NJ2	Nanjing	24.26 353	↑P	P	03 17 10.1 +0.4
	NJ2			pP	pP	03 17 20.4 +4.6
	NJ2	comp=Z,21nm,1.0s			pmax	
	NJ2	comp=Z,1um,5.2s		LR	LR	
	NJ2	comp=Z,2um,13.3s		LR	LR	
	NJ2	comp=Z,1um,11.8s		LR	LR	
	NJ2	comp=Z,2um,15.2s		LR	LR	
	KNRA	Kunurra	24.30 164	P	P	03 17 09.8 -0.4
	KNRA	comp=Z,84nm,1.1s			Iamb	03 17 12.0
	KNRA	Kunurra	24.30 164	P	P	03 17 11.4 +1.3
	XMIS	Christmas Isla	24.49 222	P	P	03 17 12.0 +0.1
	XMIS			Iamb	Iamb	03 17 24.3
	XMIS	comp=Z,83nm,1.1s			PcP	
	XMIS	Christmas Isla	24.49 222	P	P	03 17 13.1 +1.1
	SISI	Saibi	24.69 249	P	P	03 17 13.5 -0.3
	CM31	Chiang Mai Arr	24.85 297	P	P	03 17 14.7 -0.5
	CM31			Iamb	Iamb	03 17 26.4
	CMAR	Chiang Mai Arr	24.85 297	P	P	03 17 15.5 +0.3
	CMAR	comp=Z,1.9nm,0.4s,baz=108,slow=8.5,SNR=17			PcP	03 20 51.1 -0.3
	CMAR	comp=Z,1.9nm,0.4s,baz=108,slow=8.5,SNR=17			S	03 21 37.8 -0.1
	CMAR	comp=Z,0.7nm,0.3s,baz=114,slow=12,SNR=1.4		LR	LR	03 26 16.9
	CMAR	comp=Z,3um,20.6s,baz=115,slow=35				
	CMAR	comp=Z,9.8nm,1.1s				
	CHTO	Chiang Mai	24.98 298	P	P	03 17 13.9 -2.5
	CHTO	comp=Z,3um,20.0s			IAMS_20	03 25 59.8
	CHTO	Chiang Mai	24.98 298	P	P	03 17 13.9 -2.5
	CHTO	comp=Z,75nm,1.5s			MLR	
	CHTO	comp=Z,3um,20.0s				
	LHMI	Lhok Sumawe	25.11 266	P	P	03 17 16.4 -1.3
	LHMI	Lhok Sumawe	25.11 266	P	P	03 17 19.3 +1.7
	LHMI	Lhok Sumawe	25.11 266	P	P	03 17 19.0 +1.4
	KMI	Kunming	25.22 315	↑P	P	03 17 21.9 +3.2
	KMI	comp=Z,69nm,1.1s			pP	03 17 31.5 +6.8
	KMI	comp=Z,23nm,0.6s			pmax	

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7d 3h		MLR	MLR	AKTO	comp=Z,9.2nm,0.8s,baz=105,slow=7.1,SNR=30	LR	LR	03 54 04.0	VRH	comp=Z,3.4nm,0.9s	pmx	pmx			
YAK	comp=E,510nm,23.0s			AKTO	comp=Z,2.1um,19.1s,baz=100,slow=38	LR	LR	03 54 04.0	C18K	Utukok River	77.89	21	P	P	03 23 50.7 +0.6
YAK	comp=E,510nm,23.0s			AKTO	comp=Z,2.1um,19.1s,baz=100,slow=38	LR	LR	03 54 04.0	E18K	Tupshlearkir C	77.92	23	P	P	03 23 51.2 +1.0
ARSB	Arslanbob 54.70 316	P	P	LBZ	Lake Benmore 67.58 322	P	P	03 22 49.0 -0.1	J17K	VABM Dome	78.01	27	P	P	03 23 51.8 +1.0
ARSB	Arslanbob 54.70 316	P	P	LBZ	Lake Benmore 67.68 145	I	I	03 22 50.4 -0.8	O16K	Kokkov River B	78.11	31	P	P	03 23 51.7 +0.4
ZAAO	comp=Z,1.1nm,1.3s			THZ	Tophouse 67.78 141	P	P	03 22 49.6 -0.9	P16K	Nushagak River	78.11	31	P	P	03 23 52.4 +1.0
ZAAO	Zalesovo Array 54.86 334	P	P	THZ	Tophouse 67.78 141	I	I	03 22 51.2	F18K	Selawik	78.17	24	P	P	03 23 52.3 +0.8
ZALV	comp=Z,7.8nm,1.9s			RPZ	Rata Peaks 67.78 144	P	P	03 22 49.1 -1.4	A19K	Wainwright	78.20	20	P	P	03 23 52.9 +1.3
ZALV	Zalesovo Beam 54.86 334	P	P	RPZ	Rata Peaks 67.78 144	I	I	03 22 51.0	L17K	Donlin	78.24	28	P	P	03 23 53.1 +1.0
ZALV	comp=Z,0.2nm,0.3s,baz=153,slow=25,SNR=1.6			LTZ	Lake Taylor 67.97 142	LR	LR	03 22 52.2	K17K	Iditarod	78.28	28	P	P	03 23 53.4 +1.0
ZALV	comp=Z,6.77nm,19.1s,baz=130,slow=37			SVE	Sverdlouvs 68.05 329	eP	eP	03 22 51.8 -0.1	G18K	Tagagavik	78.48	24	P	P	03 23 53.6 +0.3
ZALV	Zalesovo Beam 54.86 334	P	P	SVE	Sverdlouvs 68.05 329	P	P	03 22 51.8 -0.1	H18K	Honhosa River	78.52	25	P	P	03 23 53.9 +0.4
KBL	Kabul 55.37 307	P	P	SVL	comp=Z,4.2nm,1.0s				C19K	Lookout Ridge	78.54	21	P	P	03 23 54.9 +1.3
KBL	Kabul 55.37 307	P	P	SVL	comp=Z,4.2nm,1.0s				M17K	Hollina River	78.58	29	I	I	03 23 56.1
KBL	Kabul 55.37 307	P	P	SVL	comp=Z,4.2nm,1.0s				M17K	Hollina River	78.58	29	I	I	03 23 54.9 +1.0
BTLS	Baital 55.57 320	eP	eP	BKI	Black Stump Fm 68.72 137	P	P	03 22 56.0 -0.5	O17K	Koliganek Bris	78.63	31	P	P	03 23 54.6 +0.4
BTLS	Baital 55.57 320	eP	eP	BKI	Black Stump Fm 68.72 137	P	P	03 22 56.0 -0.5	N17K	Nushagak Hills	78.64	30	I	I	03 23 56.4
GAR	Garm 55.75 312	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	N17K	Nushagak Hills	78.64	30	I	I	03 23 55.3 +1.0
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	Q16K	King Salmon	78.78	32	P	P	03 23 55.8 +0.7
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	P17K	Kvichak River	78.92	31	P	P	03 23 56.1 +0.3
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	F19K	Shalerucik Mo	78.94	23	P	P	03 23 56.7
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	F19K	Shalerucik Mo	78.94	23	P	P	03 23 56.1 +0.3
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	D19K	Kuna River	78.99	22	P	P	03 23 56.7 +0.6
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	L18K	Granite Mounta	79.00	28	P	P	03 23 57.0 +0.8
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	L18K	Granite Mounta	79.00	28	P	P	03 23 57.0 +0.8
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 58.1
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5
BTK	Batken 55.75 314	P	P	ARTI	Arti 69.09 328	P	P	03 22 57.4 -1.0	J18K	Innok River	79.08	27	I	I	03 23 57.2 +0.5

M20K	Styx River baz=269	80.66	29	P	P	03 24 05.8	+0.4
ANN	Anapa	80.73	314	eP	pmax	03 24 04.3	-1.7
ANN	comp=Z,112nm,1.2s						
B22K	Teshchepuk Lake baz=268	80.79	20	P	P	03 24 06.3	+0.6
H21K	Melozitina River baz=269	80.87	25	P	P	03 24 07.3	+0.9
O20K	Slope Mountain baz=270	80.89	30	P	P	03 24 05.7	-0.9
KDAK	Kodiak Island	80.91	33	P	I	03 24 05.5	-1.2
KDAK	comp=Z,32nm,0.9s						
KDAK	Kodiak Island	80.91	33	LR	LR	03 58 38.2	
KDAK	comp=Z,430nm,20.2s,baz=103,slow=35						
KDAK	Kodiak Island	80.91	33	P	pmax	03 24 05.5	-1.2
KDAK	comp=Z,32nm,0.9s						
D22K	Ayikyak River comp=Z,47nm,1.1s	81.00	21	I	I	03 24 08.7	
D22K	Ayikyak River baz=269	81.00	21	P	P	03 24 07.9	+0.9
Q20K	Shugak Island baz=270	81.01	32	P	P	03 24 06.6	-0.5
OBN	Obninsk	81.05	325	d	P	03 24 06.6	-0.8
OBN	comp=Z,29nm,1.1s						
OBN	Obninsk	81.05	325	i	S	03 27 09.4	
OBN	comp=Z,72nm,2.5s						
OBN	Obninsk	81.05	325	i	S	03 34 14.6	-1.7
OBN	comp=Z,38nm,1.0s						
E22K	Anaktuvuk Pass baz=270	81.30	22	I	I	03 24 10.9	
E22K	Anaktuvuk Pass comp=Z,63nm,16.0s						
CHUM	Lake Minchum baz=270,SNR=20	81.05	27	P	P	03 24 07.7	+0.4
PPLA	Purkeypile baz=270,SNR=8.3	81.11	28	P	P	03 24 08.0	+0.2
F22K	Castle Rocks baz=270,SNR=55	81.16	27	P	P	03 24 08.3	+0.4
CASK	John River baz=269	81.16	23	P	P	03 24 08.8	+1.0
SPU	Mount Spurr baz=269	81.17	29	P	I	03 24 07.2	-0.9
SPU	comp=Z,38nm,1.0s						
I21K	Tanana baz=270	81.21	25	P	P	03 24 09.1	+1.0
E22K	Anaktuvuk Pass comp=Z,63nm,16.0s						
E22K	Anaktuvuk Pass baz=270,SNR=43	81.30	22	P	P	03 24 09.6	+0.9
H20K	Home baz=271	81.39	31	P	P	03 24 09.5	+0.3
G22K	Bettles baz=270	81.41	23	P	P	03 24 09.9	+0.7
SKT	Skwentna baz=271,SNR=22	81.41	28	P	P	03 24 08.6	-0.7
H22K	Ishitalina Cre baz=270	81.46	24	P	P	03 24 10.7	+1.2
BPWA	Bear Paw Mtn. baz=271,SNR=29	81.64	26	P	P	03 24 10.9	+0.4
D23K	Nanushuk River baz=270	81.72	21	P	P	03 24 12.1	+1.4
C23K	Iktilik River comp=Z,54nm,1.0s	81.74	20	I	I	03 24 11.6	+0.7
C23K	Iktilik River baz=270	81.74	20	P	P	03 24 11.6	+0.7
SUA	Susitna One baz=271	81.80	29	P	P	03 24 10.7	-0.7
BRSE	Bradley Lake S baz=272,SNR=12	81.84	31	P	P	03 24 11.0	-0.6
COLD	Coldfoot baz=271,SNR=75	81.92	23	P	P	03 24 13.0	+1.2
TRF	Thorofare Moun baz=272,SNR=31	81.96	27	P	P	03 24 12.0	-0.4
CUT	Chulitna baz=272	82.00	28	P	P	03 24 11.7	-0.6
G23K	Bananza Creek comp=Z,54nm,0.9s	82.00	24	I	I	03 24 14.8	
G23K	Bananza Creek baz=270	82.00	24	P	P	03 24 13.6	+1.2
M22K	Willow baz=272,SNR=36	82.09	29	P	P	03 24 12.1	-0.7
E23K	Chandalar baz=272,SNR=80	82.13	22	P	P	03 24 14.3	+1.2
TOLK	Toolik Lake Re comp=Z,56nm,0.9s	82.13	22	I	I	03 24 15.3	
TOLK	Toolik Lake Re baz=272	82.13	22	P	P	03 24 14.0	+1.0
APA	Apaitly comp=Z,111nm,1.2s	82.29	337	i	pmax	03 24 14.3	+0.5
APA	comp=Z,2um,16.0s						
RC01	Rabbit Creek A baz=272,SNR=18	82.30	29	P	P	03 24 13.2	-0.8
I23K	Minto, Yukon-K comp=Z,24nm,0.9s	82.32	25	I	I	03 24 15.2	
I23K	Minto, Yukon-K baz=272	82.32	25	P	P	03 24 14.5	+0.5
O22K	Cooper Landing baz=272,SNR=8.3	82.33	30	P	P	03 24 13.4	-0.7
D24K	Happy Valley comp=Z,60nm,1.0s	82.39	21	I	I	03 24 16.6	
D24K	Happy Valley baz=272	82.39	21	P	P	03 24 15.4	+1.1
C24K	Franklin Bluff baz=270	82.41	21	P	P	03 24 15.2	+0.9
NEA2	Nenana baz=272,SNR=51	82.46	26	P	P	03 24 14.8	+0.1
SEW	Seward baz=273,SNR=10	82.48	30	P	P	03 24 14.6	-0.2
E24K	Your Creek comp=Z,51nm,0.9s	82.55	22	I	I	03 24 16.3	+1.1
E24K	Your Creek baz=272	82.55	22	P	P	03 24 16.3	+1.1
MCK	McKinley baz=273,SNR=64	82.56	27	P	P	03 24 14.9	-0.4
PMR	Palmer comp=Z,46nm,0.9s	82.56	29	I	I	03 24 15.9	
PMR	Palmer baz=273,SNR=24	82.56	29	P	P	03 24 14.5	-0.8
PMR	Palmer comp=Z,82nm,1.3s						
PMR	Palmer baz=273	82.56	29	P	P	03 24 14.9	-0.4
WAT1	Susitna Watana baz=273	82.78	28	P	P	03 24 16.1	-0.4
F24K	Squaw Lake baz=273	82.81	23	P	P	03 24 17.6	+1.1
KNK	Knik Glacier baz=273,SNR=13	82.90	29	P	P	03 24 17.1	0.0
H24K	Noodor Dome baz=273	82.90	25	P	P	03 24 18.1	+1.0
SML	Sawmill baz=274,SNR=21	82.93	29	P	P	03 24 17.0	-0.3
COLA	College comp=Z,19nm,0.8s	82.97	25	P	I	03 24 16.0	-1.3
COLA	College baz=274	82.97	25	P	P	03 24 17.2	-0.1
COLA	College comp=Z,25nm,1.0s						
COLA	College baz=274	82.97	25	i	pmax	03 24 16.4	-0.9
PWL	Port Wells baz=274,SNR=13	82.99	30	P	P	03 24 17.4	-0.2
G24K	Hadweenzic Riv baz=274	83.01	24	P	P	03 24 18.6	+1.1
POKR	Poker Plat Res baz=274	83.13	25	P	P	03 24 18.9	+0.7
WAT6	Susitna Watana baz=274,SNR=28	83.16	28	P	P	03 24 18.6	-0.1
M23K	Glacier View baz=274,SNR=12	83.22	29	P	P	03 24 18.5	-0.3
D25K	Kavik River baz=274	83.25	21	P	P	03 24 19.6	+0.8
DHY	Denali Highway baz=274,SNR=19	83.30	27	P	P	03 24 19.4	+0.1
HDA	Harding Lake baz=274,SNR=27	83.39	26	P	P	03 24 18.7	-0.9
ILAR	Eielson Array comp=Z,8.2nm,0.8s,baz=249,slow=4.2,SNR=66	83.39	26	P	P	03 24 18.0	-1.5
ILAR	comp=Z,221nm,20.6s,baz=266,slow=36						
SCM	Sheep Creek Mo baz=274,SNR=6.7	83.41	29	P	P	03 24 19.7	-0.1
P23K	Montague Islan baz=274	83.51	30	P	P	03 24 20.5	+0.3
G25K	Bearman Lake baz=275	83.55	24	P	P	03 24 21.6	+1.2
GLI	Glacier Island baz=275	83.59	29	P	P	03 24 20.5	-0.2
E25K	Arctic Village	83.64	22	P	P	03 24 22.2	+1.3
F25K	Christian River comp=Z,40nm,0.9s	83.66	23	I	I	03 24 23.8	
F25K	Christian River baz=275	83.66	23	P	P	03 24 22.6	+1.6
C26K	Camden Bay baz=276	83.71	20	P	P	03 24 22.8	+1.8
BR104	Keskin Array S comp=Z,61nm,comp=2.9,7nm,1.0s	83.85	309	P	P	03 24 22.2	-0.4
BR131	Keskin Array S BRTR	83.85	309	eP	P	03 24 21.9	-0.7
BRTR	Keskin Array S comp=Z,7.5nm,1.0s,baz=108,slow=4.7,SNR=20	83.85	309	P	P	03 24 20.5	-2.1
BRTR	Keskin Array S comp=Z,7.5nm,1.0s	83.85	309	P	P	03 24 22.4	-0.3
BR106	Keskin Array S comp=Z,9.0nm,1.0s	83.87	309	P	P	03 24 22.4	-0.3
BR105	Keskin Array S comp=Z,10nm,1.0s	83.87	309	P	P	03 24 22.4	-0.3
PRP	Porcupine Dome baz=276	83.90	25	P	P	03 24 21.7	-0.6
M24K	Tolsona, Glenn baz=275,SNR=15	83.93	28	P	P	03 24 23.2	+0.7
K24K	Donnelly Dome baz=276,SNR=7.8	83.95	26	P	P	03 24 21.0	-1.5
J25K	Salcha River, baz=276	84.05	26	P	P	03 24 21.8	-1.2
BMAR	Burnt Mountain KLU	84.08	23	P	P	03 24 24.0	+0.9
BMAR	Kutina baz=276,SNR=7.6	84.11	29	P	P	03 24 23.8	+0.4
C27K	Jago River baz=277,SNR=43	84.16	21	P	P	03 24 24.6	+1.3
PAX	Paxson baz=276,SNR=29	84.17	27	P	P	03 24 23.9	+0.1
F26K	Sheenjek River comp=Z,45nm,1.1s	84.22	23	I	I	03 24 26.0	
F26K	Sheenjek River baz=277	84.22	23	P	P	03 24 25.4	+1.6
EYAK	Cordova Ski Ar baz=276	84.28	30	P	P	03 24 24.7	+0.5
EYAK	Cordova Ski Ar Independent Ri	84.28	30	P	P	03 24 25.1	+0.9
RIDG	Independent Ri comp=Z,5.2nm,0.8s,baz=73,slow=5.0,SNR=3.9	84.37	27	P	P	03 24 24.0	-0.1
HARP	HAARP baz=276,SNR=5.1	84.37	28	P	P	03 24 25.1	+0.4
KIBK	Kilbwezi comp=Z,435nm,21.0s	84.42	267	I	I	03 58 05.4	
G26K	Porkcupine Riv baz=277	84.44	23	P	P	03 24 26.3	+1.4
ANTO	Ankara comp=Z,9nm,1.6s	84.49	309	P	P	03 24 25.4	-0.4
SCRK	Sand Creek baz=277	84.72	26	P	P	03 24 26.7	+0.1
N25K	Chitina, Valde baz=277,SNR=24	84.72	29	P	P	03 24 27.3	+0.7
BMRM	Brenner River baz=277,SNR=14	84.80	29	P	P	03 24 27.0	+0.2
J26L	Joseph Creek baz=278	84.84	26	P	P	03 24 27.1	0.0
I26K	Creek Min baz=278	84.91	25	P	P	03 24 27.5	+0.3
MENT	Montasta comp=Z,5.2nm,0.8s,baz=73,slow=5.0,SNR=3.9	84.97	27	P	P	03 24 28.5	+0.8
ARCES	ARCCESS Array B comp=Z,5.2nm,0.8s,baz=73,slow=5.0,SNR=3.9	85.00	339	P	P	03 24 27.1	-0.5
ARCES	comp=Z,215nm,18.7s,baz=88,slow=38						
KAIM	Kayak Island comp=Z,5.2nm,0.8s	85.01	30	P	P	03 24 28.7	+0.8
KMBO	Kilima Mbogo comp=Z,5.2nm,0.8s	85.04	268	P	P	03 24 28.4	-0.9
KMBO	Kilima Mbogo comp=Z,5.49nm,22.0s	85.04	268	P	P	03 24 29.8	+0.5
KMBO	Kilima Mbogo comp=Z,4.2nm,0.9s	85.04	268	P	P	03 24 28.4	-0.9
KMBO	Kilima Mbogo	85.04	268	P	pmax	03 24 28.4	-0.9
E27K	Coleen River comp=Z,16nm,1.2s	85.11	22	I	I	04 06 47.8	
E27K	Coleen River comp=Z,451nm,21.0s	85.11	22	P	P	03 24 29.5	+1.2
L26K	Log Cabin Wild baz=279	85.13	27	P	P	03 24 29.2	+0.8
NE56	Odesa D27M	85.16	316	P	P	03 24 27.1	-1.8
D27M	Malcolm River baz=279,SNR=102	85.17	21	P	P	03 24 29.8	+1.2
G27K	Dot Strip baz=279	85.30	23	P	P	03 24 30.2	+1.0
M26K	Nabesna, AK baz=278	85.37	28				

7d 3h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like WTLV, YVHS, T3SM, NOA, MORH, WRGLY, etc.

2019 JAN

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like G006, G007, G008, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KTBS, KTBS, KURS, etc.

SOE 07 03:23:21.4, 42.97N:0.01:22.24E:0.02, h2km, MD2.9
SKO 07 03:23:23.8, 43.03N:22.37E, h2km, ML2.9
BEO 07 03:23:23.9, 43.01N:22.37E, h4km, ML2.9, 13
22C-28D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TRAN Tran, ZAPS Zavoji, BARS Barje, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WBSI Waikabubak, BASI Baing, BSSI Bau Bab, etc.

IDC 07 03:31:45.6 ± 1.8, 12.95N, 145.32E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=58.2km s-min=33.4km az=92.0, South of Mariana Islands

IDC 07 03:48:23.6 ± 0.5, 8.23S, 120.06E, h0km, mb4.5/18, mbtmp4.5/21, ML4.1/3, MS3.9/14, Error ellipse: s-maj=22.6km s-min=9.5km az=68.0, NEIC 07 03:48:26.2 ± 1.7, 8.19S, 0.07x119.88E, h10km, mb4.8/31, Error ellipse: s-maj=12.7km s-min=9.5km

az=40.0, DJA 07 03:48:29.3 ± 0.4, 8.2S, 1x12.0E, h29km, mb3.9/3, mb4.9/43, mb5.6/8, MLV4.9/28, MW(B)5.1/8, ISC 07 03:48:25.6 ± 0.3, 8.29S, 0.04x119.98E, h10km, n155, c180/155, mb4.7/41, MS3.9/9, 2C-1D, Flores region

2019 JAN

Table with columns: CHTO, Ching Mai, 34.00 323, P, Iamb, P, 03 55 09.9 +0.1, 03 55 11.3. Includes various station names like ARPS, JOW, YNG, PZH, etc.

Table with columns: LPAZ, La Paz, 154.29 162, PKPbc, PKIKP, 04 08 29.5 +1.5, 04 08 41.7 0.0. Includes various station names like RIZ, RAO, RAO, etc.

Table with columns: JNU, Nakatsue, 78.36 319, P, P, 04 04 58.0 +0.8. Includes various station names like TROLL, SNA, SNA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RETA, MOSSAL, AOTA, etc.

IDC 07 03:58:42.9.2.0.2.78N.127.47E, h0km, mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=198.5km s-min=20.9km az=68.0

DJA 07 03:58:48.5.0.3.2.7N.4.12.7E, h10km, M3.6/7, MLV3.6/7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SANGIHE, TERNATE, SANANA, etc.

IDC 07 04:01:45.8.1.3.2.53N.126.97E, h0km, mb3.8/7, mbmp3.8/7, MS3.7/1, Error ellipse: s-maj=105.6km s-min=17.3km az=69.0

NEIC 07 04:01:48.1.2.3.2.6N.0.1.126.31E.0.08, h35km, 2km, mb4.2/16, Error ellipse: s-maj=12.2km s-min=3.9km az=214.0

ISC 07 04:01:50.8.0.7.2.54N.0.10.126.7E.0.2, h55km, n28, r156/23, mb4.0/12, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TERNATE, TOLOITI, LAHAD DATU, etc.

IDC 07 04:03:15.4.0.5.2.35N.126.68E, h0km, mb4.1/17, mbmp4.1/17, MS3.4/4, Error ellipse: s-maj=32.9km s-min=9.3km az=73.0

DJA 07 04:03:21.6.1.5.2.7N.4.12.7E, h30km, 15km, M4.2/9, MLV4.2/9

NEIC 07 04:03:21.0.1.6.2.39N.0.09.126.88E.0.08, h42km, 7km, mb4.5/30, Error ellipse: s-maj=17.3km s-min=3.9km az=220.0

ISC 07 04:03:22.3.0.4.2.37N.0.06.126.80E.0.10, h53km, n64, r173/64, mb4.4/34, MS3.4/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TERNATE, SANGIHE, SANANA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRAB, WRA, WRA, etc.

IDC 07 04:03:42.2.4.5.25.08N.141.16E, h186km, 43km, mb3.4/11, mbmp3.9/13, Error ellipse: s-maj=27.4km s-min=14.1km az=80.0

ISC 07 04:03:41.7.0.9.2.51N.0.1.141.2E.0.2, h181km, n13, r082/13, mb3.8/11, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PHRAE, CHIANG MAI ARR, CHIANG MAI, etc.

IDC 07 04:03:42.2.4.5.25.08N.141.16E, h186km, 43km, mb3.4/11, mbmp3.9/13, Error ellipse: s-maj=27.4km s-min=14.1km az=80.0

ISC 07 04:03:41.7.0.9.2.51N.0.1.141.2E.0.2, h181km, n13, r082/13, mb3.8/11, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MJAR, KSRB, KSRB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YKA, FINES, NOA, etc.

IDC 07 04:09:41.7.1.8.2.74N.127.59E, h0km, mb3.7/5, mbmp3.8/5, Error ellipse: s-maj=121.2km s-min=20.3km az=71.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, etc.

IDC 07 04:11:39.6.4.1.0.23.96N.92.39E, h0km, mb3.4/4, mbmp3.4/4, Error ellipse: s-maj=69.8km s-min=82.7km az=2.0, India-Bangladesh border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR, SONM, KURBB, etc.

IDC 07 04:12:06.0.5.2.37N.126.74E, h0km, mb4.1/18, mbmp4.1/19, ML3.5/1, MS3.2/4, Error ellipse: s-maj=33.0km s-min=10.6km az=76.0

DJA 07 04:12:13.1.1.2.3.7N.3.12.7E, h27km, 12km, M4.4/12, n85.2/2, mb4.7/3, MLV4.2/12, Mv(m)B4.6/2

NEIC 07 04:12:19.2.2.6.2.46N.0.0.126.33E.0.09, h41km, 6km, mb4.5/24, Error ellipse: s-maj=14.8km s-min=9.5km az=51.0

ISC 07 04:12:18.0.4.2.47N.0.05.126.84E.0.08, h53km, n70, r120/71, mb4.3/29, MS3.4/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TERNATE, SANGIHE, CINBONG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: DMLN, comp=N, 0.5um, 0.3s, 0.59 356, P, S, Pg, 06 06 46.6 -0.8, etc.

Table with columns: SNAA, Sanae, 18.79 156, P, P, 06 14 22.2 -0.4, etc.

Table with columns: VLKR, Vladikavkaz, 0.43 297, ePg, Pb, 06 13 08.0 -0.3, etc.

IDC 07 06:07:48.5±1.9, 1.49N; 127.03E, h0km, mb3.4/4, mbmp3.4/4, Error ellipse: s-maj=188.9km s-min=22.2km az=67.0

DJA 07 06:07:50.4±1.9, 2.0N; 127.1E, h28km, 20km, M3.4/6, MLV3.6/6, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

NEIC 07 06:10:08.9±1.7, 5.6°S; 01°12.7'W; 0.2, h53km, 6km, mb4.6/25.0, Error ellipse: s-maj=20.8km s-min=14.8km az=215.0

IDC 07 06:10:09.9±5.6, 01S; 27.1W, h75km, 58km, mb4.0/8, mbmp4.3/10, ML4.1/2, MS3.1/1, Error ellipse: s-maj=31.4km s-min=16.0km az=67.0

ISC 07 06:10:07.8±0.5, 56.06S; 008.27W; 0.1, h50km, n96, c0598/88, mb4.5/15, 5C, South Sand Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 07 06:26:02.9±1.8, 2.12N; 126.14E, h0km, mb3.4/4, mbmp3.4/4, Error ellipse: s-maj=192.2km s-min=22.0km az=63.0

DJA 07 06:26:07.1±1.3, 2.0N; 127.0E, h12km, 13km, M3.6/6, MLV3.6/6

ISC 07 06:26:08.5±1.6, 2.5N; 127.0E; 0.3, h50km, n6, c0552/7, mb3.5/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 07 06:26:58.0±0.4, 2°N; 4°13'W, h10km, M3.8/7, MLV3.8/7

IDC 07 06:27:00.1±1.9, 2.46N; 126.95E, h0km, mb3.7/4, mbmp3.7/4, MS2.7/1, Error ellipse: s-maj=175.6km s-min=20.9km az=67.0

ISC 07 06:27:05.1±1.4, 2.3N; 01°12.6'E; 0.3, h53km, n8, c285/7, mb3.7/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 07 06:33:40.7±0.2, 41.33N; 143.20E, h16km, MW4.2, Moment Tensor Solution, s3 Moment Tensor: Scale 1015N; Mno: 9.6; Mss: -1.96; Mtt: 1.00; Mro: -0.90; Mso: -0.14; Msr: -0.67; Fault plane solution: M1.990000x1015 NP1: 0.125, 0.00000, 0.83, 0.00000, 1.152, 0.00000. NP2: 0.236, 0.00000, 0.71, 0.00000, 1.50, 0.00000

JMA 07 06:33:40.7±0.2, 41.33N; 143.20E; 0.8, h16km, 3km, MD4.2/31, MV4.2/31, E OFF AOMORI PREF

MOS 07 06:33:42.0±1.3, 41.33N; 143.35E; h38km, mb4.7/19, Error ellipse: s-maj=8.8km s-min=5.8km az=91.9

NEIC 07 06:33:44.3±2.1, 41.74N; 0°06.14'E; 0.1, h635km, 7km, mb4.5/93, Error ellipse: s-maj=9.7km s-min=5.8km az=148.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Malin Array Be, Malin Array B, Pinedale Array, etc.

GUC 07 06:37:53.8-0.8, 28.68S:71.00W, h54km, 3km, ML2.9
SJA 07 06:37:54.1-0.8, 28.71S:71.10W, h100km, 20km, ML3.2,
MW3.5

Main table for station data under GUC and SJA coordinates. Columns include Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters.

IDC 07 06:39:48.5-1.7, 1.50N:125.00E, h0km, mb3.3/4,
mb1mp3.3/4, Error ellipse: s-maj=196.1km s-min=23.2km
az=64.0

DJA 07 06:39:51.8-1.6, 3.3N:4.12E, h27km, 15km, M3.5/7,
MLV3.5/7

ISC 07 06:39:53.0-1.4, 2.5N:0.1-126.8E:0.2, h50km, n7, s1956/8,
mb3.4/4, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Sangihe, Ternate, Sanana, etc.

IDC 07 06:47:38.4-2.4, 7.39S:120.60E, h0km, mb3.3/2,
mb1mp3.3/4, ML3.2/2, Error ellipse: s-maj=187.3km
s-min=23.9km az=58.0, Flores Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Kappang, Plampang, Singaraja, etc.

IDC 07 06:57:03.7-0.6, 62.53S:158.19W, h0km, mb4.4/8,
mb1mp4.4/8, ML4.2/1, MS4.1/28, Error ellipse:
s-maj=27.8km s-min=17.0km az=21.0
NEIC 07 06:57:06.5-1.6, 62.75S:158.20W:0.3, h10km, 1km,
mb4.9/32, Error ellipse: s-maj=30.1km s-min=19.5km

az=27.0
GCMT 07 07:09:50.0-2.6, 62.85S:0.01-158.19W:0.03, h17km, 1km,
MW5.0/96, Moment Tensor Solution. s30.c35; s96.c124;
Duration: 0 Moment tensor: Scale 1016Nm; Mr-0.68z; 15;
Mw3.82z; 15; Mw3.31z; 12; Mw1.16z; 10;
Mw0.61z; 34; Best double couple: Mw0.43500z:1016
NP1:32.00000z:675.00000z:5.00000z: NP2:
0z:32.00000z:885.00000z:1165.00000z: Principal axes: T
4.5090, P1g74.0000z, Azm347.0000z: N -0.9500,
P1g74.0000z, Azm195.0000z: P -3.5620, P1g7.0000z,
Azm78.0000z: nst1 refers to body waves, cutoff=40s.
nst2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 07 07:06:30.3-0.5, 62.75S:0.08-158.17W:0.10, h10km, n82,
s1915/4, mb4.8/22, MS4.1/27, 4C, Pacific-Antarctic
Ridge

Main table for station data under GCMT and ISC coordinates. Columns include Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CPUP, Villa Florida, CPUP, etc.

SDD 07 07:19:20.5-0.8, 18.60N:74.13W, h23km, 405km, MD2.9,
ML2.6, MW2.7
SSNC 07 07:19:23.5-1.6, 18.69N:73.90W, h20km, 14km, MD3.6,
ML2.2

OSPL 07 07:19:24.8-2.0, 18.87N:73.98W, h0km, 16km, ML2.5
ISC 07 07:19:19.6-1.4, 18.72N:0.07-73.98W:0.05, h6km, 11km,
n19, s09F993, 1C-2D, Haiti region

Main table for station data under SDD, SSNC, OSPL, and ISC coordinates. Columns include Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters.

IDC 07 07:20:39.0-0.5, 2.24N:126.74E, h0km, mb4.3/20,
mb1mp4.3/21, MS3.7/13, Error ellipse: s-maj=28.8km
s-min=11.5km az=76.0

DJA 07 07:20:43.0-3.2, 2.3N:3.12E, h10km, M4.7/17, mB5.2/6,
mb4.9/7, MLV4.5/17, Mw(mB)4.6/6

NEIC 07 07:20:44.7-1.5, 2.38N:0.05-126.85E:0.08, h35km, 1km,
mb4.6/58, Error ellipse: s-maj=13.3km s-min=8.8km
az=75.0

ISC 07 07:20:46.0-0.3, 2.29N:0.05-126.80E:0.07, h50km, n148,
s1928/144, mb4.6/48, MS3.7/14, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Code, Station Name, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like NLAI, APSI, TOLIZ, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MSVF, MK31, MKAR, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MASC, MASC, MASC, etc.

SDD 07:25:13.5u.0.5, 18:15N:72:65W, h225km, 20km, MD3.5, ML2.7, MW3.6
SSNC 07:25:14.5u.1.0, 18:27N:73:15W, h12km, 8km, MD3.5, ML2.2
OSPL 07:25:15.4u.0.9, 18:39N:73:18W, h0km, 5km, ML2.2
ISC 07:25:11.9u.1.5, 18:30N:0:10x:73:20W, 0.05, h14km, 14km, n14, e14/26, 3d, Haiti region

IDC 07:07:26:55.2u.0.8, 3:34N:84:20W, h0km, mb4.2/11, mbmp4.2/15, ML3.4/3, MS3.5/12, Error ellipse: s-maj=31.0km s-min=15.6km az=60.0
NEIC 07:07:26:57.9u.2.0, 3:34N:0:08.84:0W, 0.1, h10km, 1km, mb4.6/52, Error ellipse: s-maj=18.8km s-min=11.2km az=238.0
RSNC 07:07:27:01.7u.1.8, 3:34N:3:8'4"W, h32km, 16km, M4.3, mb4.7, mb5.0, Mw(mb)4.6
SNET 07:29:13.5u.1.2, 12:19N:87:92W, h17km, 12km, ML2.9
ISC 07:29:07:01.0u.0.5, 3:38N:0:06.83:88W, 0.08, h35km, n184, e42/156, mb4.6/34, MS3.5/8, Off coast of central America

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BRU2, ED2P, etc.

Table with columns: STKA, Stephens Creek, 27.23 157, P, P, 07 47 05.8 +0.4, etc. Lists various stations and their coordinates and status.

Table with columns: ABKAR, Akbulak array, 82.10 320, P, P, 07 53 39.1 0.0, etc. Lists various stations and their coordinates and status.

Table with columns: MLY3.8/7, NEIC 07:48:57.4, 2.2, 2.21N, 0.10, 126.68E, 0.10, 9.35km, 2.2km, etc. Lists various stations and their coordinates and status.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SDV Santo Domingo, JTS Las Juntas de, ATAH Alathua, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PAWZ Parauwai Farm, MTW Mount Morrison, HOUT Holdsworth Sta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, STKA Stephens Creek, MKAR Makanchi Array, etc.

NEIC 07 08:47:04.7±1.1, 61.38N, 0.02±150.01W, 0.05, h48km, 4km, Error ellipse: s-maj=3.8km s-min=3.4km az=114.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FIS Fire Island, RC01 Rabbit Creek A, RC01 Willow, etc.

IDC 07 08:00:29.2±1.4, 2.30N, 126.46E, h0km, mb3.77, mbtmp3.87, MS3.3/1, Error ellipse: s-maj=80.0km s-min=16.9km az=64.0

WEL 07 07:58:03.8, 43.59S; 168.73E, h26km, ML4.3, Mw3.8, Moment tensor solution: 64 Moment tensor: Scale: 1014

IDC 07 08:00:35.9±1.1, 2.3N, 0.1±126.7E, 0.2, h55km, n11, 61529/11, mb3.8/6, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KNK Knik Glacier, RC01 Captain Cook N, RC01 Skliak Lake, etc.

WEL 07 07:58:04.7±0.6, 44.3±16.9E, h12km, M4.1/15, ML4.3/15, Mw4.1/15, Error ellipse: s-maj=5.5km s-min=2.6km az=130.0

IDC 07 07:58:03.9±1.3, 43.61S; 0.04±168.72E, 0.04, h10km, gkm, n108, 01931/126, Off coast of South Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAPN Captain Cook N, RC01 Skliak Lake, RC01 Cooper Landing, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HDWS Haast DOC Work, NSBS Neils Beach, JCZ Jackson Bay, etc.

IDC 07 08:05:36.3±3.2, 55.04N; 164.95E, h0km, mb3.4/3, mbtmp3.47, ML2.9/1, Error ellipse: s-maj=93.8km s-min=28.3km az=159.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PWL Port Wells, SKT Skwertina, SPCG Spurr Capps GI, etc.

IDC 07 08:05:37.5±1.4, 55.03N; 164.79E, h44km, 26km, M3.8, ISC 07 08:05:40.5±1.0, 55.08N; 0.06±164.90E, 0.04, h34km, n27, 6164/35, mb3.3/3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, BKT Krutoberegovo, NLC Nalytchevo, etc.

Code Station Name Az Phase ID Time Res

IDC 07 08:44:48.2±1.4, 2.44N; 126.96E, h0km, mb3.67, mbtmp3.77, Error ellipse: s-maj=82.2km s-min=17.4km az=65.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRK Bradley Lake, BRLL Bradley Lake, BRLL Bradley Lake, etc.

IDC 07 08:44:53.6±0.6, 3.1N; 4.12E, h43km, 67km, M3.7/8, ML3.7/8, ISC 07 08:44:55.7±1.2, 2.4N, 0.1±126.8E, 0.1, h53km, n10, 61517/10, mb3.7/6, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, etc.

Code Station Name Az Phase ID Time Res

IDC 07 08:44:48.2±1.4, 2.44N; 126.96E, h0km, mb3.67, mbtmp3.77, Error ellipse: s-maj=82.2km s-min=17.4km az=65.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RND Reindeer, K20K Kenewak, EYAK Cordova Ski Ar, etc.

2019 JAN

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HAARP, N25K, N25K, N25K, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like F17K, WHY, E18K, ANM, F15K, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MMAI, VRAC, TOR, KURB, MKAR, ZALV, etc.

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Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, ISC. Includes stations like BSSI, TWSI, BKSI, KAPI, BASI, MMRI, SPSI, ABJI, KMMI, WRA, ASAR, MKAR.

NEIC 07 09:14:47.8, 1.9, 16.18N, 10:14:46.5E, 0.1, h56km, 8km, mb4.8/77, Error ellipse: s-maj=16.8km s-min=13.6km az=106.0
IDC 07 09:14:47.2, 1.7, 16.27N, 146:30E, h61km, 15km, mb3.9/22, mbtmp4.3/25, MS3.5/40, Error ellipse: s-maj=16.7km s-min=13.6km az=94.0
ANF 07 09:15:08.5, 0.4, 17.11N, 147:06E, h182km, 3km, ML4.6/90, Error ellipse: s-maj=9.9km s-min=5.4km az=85.0
ISC 07 09:14:46.2, 0.4, 16.19N, 0.05:146.48E, 0.08, h50km, n319, +f109/270, mb4.7/58, MS3.6/37, Mariana Islands

Main table for station 425, listing various stations like GUMO, PATS, H11S3, H11S1, H11S2, JAY, H11N1, H11N2, H11N3, JOW, JMW, JGF, MJAR, MAJO, MJB9, JNU, JMM, DAV, FAKI, TGy, PJM, PMG, ERM, KSR5, ASAJ, HNR, USRK, KAPI, BATI, CTA, WBO, WRAB, WRA, WRA, WRA, PEAOB, PETK, AS31, ASAR, CMAR, LEM, CMAR, SONM, MSVF, STKA, PSI, RPSI.

2019 JAN

Main table for station 2019 JAN, listing stations like RPSI, GSI, CAN, BRDH, BILL, BILL, BILL, GAMB, TIXI, RAO, RAO, M13K, K13K, N14K, L14K, M14K, TNA, J14K, O15K, M15K, ANM, N15K, L15K, F14K, K15K, P16K, G15K, O16K, N16K, F15K, M16K, L16K, Q16K, J16K, H16K, O17K, N17K, L17K, M17K, J17K, K17K, C16K, N18K, N18K, N18K, G17K, L18K, F17K, D17K, M18K, MK31, MKAR, MKAR, E17K, RDOG, KDAK, KDAK, KDAK, J18K, N19K, C17K, H18K, P19K, F18K, URZ, G18K, E18K, L19K, J19K, C18K, L20K, B18K, H19K, G19K, G19K, M20K, M20K, M20K, K20K, J20K, J20K, C19K, BRSE, E19K.

Main table for station 7d 9h, listing stations like E19K, E19K, H20K, A19K, D19K, P19A, SKT, F20K, F20K, CAST, CHUM, D20K, RC01, H21K, G21K, KURB, KURB, BPAW, KURB, B20K, B20K, F21K, TRF, TRF, PMR, PWL, KNK, C21K, H22K, SML, NRIK, B21K, WAT1, G22K, MCK, M23K, RAR, GLI, NEA2, Q23K, I23K, WAT6, SCM, D22K, A22K, PALK, G23K, G23K, DHY, COLD, B22K, B22K, COLA, KLU, D23K, H24K, E23K, IL31, ILAR, ILAR, ILAR, TOLK, TOLK, C23K, C23K, PAXN, BMRM, HARP, K24K, G24K, E24K, N25K, F24K, F24K, D24K, J25K, J25K, C24K, C24K, SCRK, L26K, F25K.

7d 10h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like Nabesna, AK, Joseph Creek, Arctic Village, etc.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like Mina Array Bea, Camas Ranch, HLID Hailey, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like Pacto, Paraso, Otavalo, Cuicocha Este, etc.

IDC 07 09:23:01.0:5.0, 13.775°167.19E, h0km, mb4.1/4, mbtmp4.1/4, Error ellipse: s-maj=127.0km s-min=11.6km az=116.0, Vanuatu Islands

IDC 07 10:06:49.5:0.7, 37.38N:20.86E, h0km, mb3.9/15, mbtmp3.8/27, ML3.79, MS3.5/6, Error ellipse: s-maj=3.43km s-min=11.4km az=154.0

RSNC 07 09:23:49.5:0.8, 2°S:8°8'0W, h0km, M2.9, ML2.6

IDC 07 10:06:52.1:3.7, 38N:20.82E, h12km, ML3.9/11, Error ellipse: s-maj=1.7km s-min=1.8km az=0

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other parameters. Includes stations like LTHK Lithakia, KYPS Kipseli, ORTH Orthonies, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like TSUKALADES, KALE, ANX, FNA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like EIL, BRG, AKASO, CLL, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MBFL, ANBD, SDV, SOCV, etc.

ISC 07 10:21:11.3:0.6 10:57N:63:11W, h0km, mb3.9/12, mbmp4.016, MLC3/2/3, MS3.5/2.2, Error ellipse: s-maj=16.1km s-min=11.6km az=161.0 FUNV 07 10:21:14.6: 10:57N:63:24W, h6km, MW4.2 NEIC 07 10:21:14.6:2.5, 10:51N:106:63:23W, 0.6, h10km, 2km, mb4.4/23, Arrn ellipse: s-maj=14.2km s-min=3.2km az=-139.0 TRN 07 10:21:16.0, 10:56N:63:31W, h85km, MD4.8, Venezuela. ISC 07 10:21:12.6:0.5, 10:55N:105:63:24W, 0.03, h9m, n95, @1989/90, mb4.2/22, MS3.5/19, 2C-3D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like CUMV, PCRV, PCRV, etc.

ISC 07 10:53:37.2:2.3, 15:05S:179:10W, h413km, 23km, mb3.0/5, mbmp3.7/6, Error ellipse: s-maj=31.0km s-min=24.2km az=148.0 ISC 07 10:53:36.3:1.1, 15:05S:0:3k:179:1W:0.2, h401km, n6, @1509/6, mb3.25, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like MSVF, WRA, ASAR, QSPA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, TXAR Lajitas Array.

NOU 07 10:59:54.6, 33°75S:179°46E, h377km, ML4.1/8, South of Kermadec Islands

WEL 07 11:00:03.9, 0.5, 34°S:4°17'9E, h33km, M4.2/3, mB4.7/3, ML4.2/6, ML4.2/2, Mw(mB)4.0/3, Error ellipse: s-maj=12.8km s-min=3.8km az=109.7

ISC 07 10:59:59.1, 3.7, 34°2S:02°17'9E:0.2, h350km, n49, s128°54, South of Kermadec Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MXZ Matakaoa Point, WMGZ Waioamatatini S, HAZ Te Kaha, etc.

DNK 07 11:01:47.9, 0.4, 59°89N:24°57E, h0km, ML2.3(UPP)

EST 07 11:01:50.3, 59°83N:24°31E, h0km, ML2.0(HEL), Explosion

HEL 07 11:01:50.3, 0.1, 59°82N:24°32E, h0km, ML1.8, Explosion

ISC 07 11:01:52.0, 1.0, 59°86N:24°35E, h0km, mbtmp3.2/4, ML2.6/4, Error ellipse: s-maj=12.0km s-min=6.3km az=140.0

UPP 07 11:01:54.9, 2.7, 59°84N:23°57E, h0km, ML2.3

ISC 07 11:01:48.9, 0.9, 59°81N:02°24'31E, 0.02, h0km, n48, s154°71, Baltic States-Belarus-Northwestern Russia

Main station list table for the second section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MEK Metsahovi, HEL1 Helsinki, EE02 Kiisa, Saku, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OSTU Oestervaala, BACU Backbrunna, IGCU Igcoen, etc.

IDC 07 11:02:04.0, 1.0, 59°83N:24°46E, h0km, mbtmp3.3/4, ML2.9/4, Error ellipse: s-maj=11.7km s-min=6.7km az=137.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FINES FINESS Array B, HFS Hagfors, NOA NORSAR Array B, etc.

IDC 07 11:03:18.5, 1.2, 14°68N:94°19W, h0km, mb4.2/9, mbtmp4.2/13, ML3.8/3, MS3.4/22, Error ellipse: s-maj=35.4km s-min=12.2km az=39.0

GCG 07 11:03:20.2, 1.4, 15°58N:94°44W, h35km, 63km, MD5.1, Hypocentre not reviewed by the ISC

NEIC 07 11:03:21.8, 2.7, 14°78N:08°94'32W:0.05, h10km, 2km, mb4.4/63, Md4.7/86(MEX), Error ellipse: s-maj=12.9km s-min=8.6km az=182.0

MEX 07 11:03:22.2, 3.1, 14°58N:94°36W, h16km, 34km, MD4.7

ISC 07 11:03:22.4, 3.1, 14°60N:06°94'32W:0.03, h32km, 22km, n155, e230/172, mb4.4/31, MS3.5/19, Off coast of Chiapas

Main station list table for the third section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCIG PCIG, CARR Arriaga, THIG THIG, etc.

Main station list table for the fourth section with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CRIG Sabancuy, SCIG Sabancuy, JAGU Jabucumico, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SADO Sadowa, HLID Hailey, PLID Pearl Lake, etc.

SOME 07 11:02:45.6, 43°9'22.15"E, h15km
NCC 07 11:08:46.7, 3.2, 44.00N-82.08E, h0km, mb3.6, mpv2.9,
Error ellipse: s-maj=21.0km s-min=18.6km az=77.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJR Jarkent, DJR Jarkent, DJR Jarkent, etc.

DJA 07 11:10:02.6, 0.5, 4°N, 4.12°E, h96km, 5km, M4.5/16,
mb5.2/6, mb4.9/7, MLV4/16, MW(B)4.5/6
IDC 07 11:10:04.6, 1.8, 4.07N, 126.03E, h133km, 20km, mb3.3/7,
mbmp3.8/8, Error ellipse: s-maj=72.5km s-min=13.8km
az=76.0

ISC 07 11:10:02.3, 0.8, 3.93N, 106.125.87E, 0.10, h107km, n17,
e18/19, mb3.6/7, Taldai Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SSGI Sangihe, DAV Davao City (W), DAV Davao City (W), etc.

MKAR Makanchi Array 56.90 326 P 11 19 36.6 +0.4
0.1nm, 0.3s, baz=125, slow=7.2, SNR=1.6
1.0nm, 0.3s

IDC 07 11:14:30.1, 0.8, 42°02'N-143°06'E, h0km, mb3.8/17,
mbmp3.8/22, ML3.2/5, MS2.8/1, Error ellipse:
s-maj=17.5km s-min=16.5km az=135.0
NIED 07 11:14:33.5, 42.04'N, 143.05'E, h18km, MW3.7, Moment
Tensor Solution. s3 Moment tensor: Scale 10^14Nm;
Mn2.13; Mm2-2.30; Mm3-1.70; Mm2.27; Mm3.06; Mr1.17;
Fault plane solution: M0.560000*10^14 NP1:
p=340.00000°, s=50.00000°, l=152.00000°. NP2:
p=89.00000°, s=69.00000°, l=144.00000°.
JMA 07 11:14:33.5, 0.1, 42.0N, 0.5:143.1E:0.4, h18km, 1km,
MW3.5/27, S OFF URAKAWA
JMA Feil JI at S OFF URAKAWA
SKHL 07 11:14:33.0, 0.4, 42.001N-143.00E, h23km, 3km, mb4.6/2
ISC 07 11:14:33.2, 1.0, 42.001N-143.00E, 0.04, h19km, 3km,
n44, c100/43, mb3.8/17, 5D, Hokkaido region

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JEM Erimo, JEM Erimo, JEM Erimo, etc.

0.4nm, 0.4s
KURBB Kurchatov Arra 62.89 328 P 11 28 40.7 -0.5
0.4nm, 0.5s, baz=129, slow=6.3, SNR=7.1
0.4nm, 0.5s

BVAR Borovoye Array 68.47 327 P 11 29 17.5 +0.5
0.3nm, 0.5s, baz=142, slow=7.3, SNR=2.2
0.3nm, 0.5s

UPP 07 11:21:51.8, 2.9, 59°48'N-24°30'E, h0km, ML2.1
HEL 07 11:21:51.6, 0.0, 59°48'N-24°41'E, h0km, ML1.8, Explosion
EST 07 11:21:51.5, 59°82'N-24°41'E, h0km, ML1.9(HEL),
Explosion
IDC 07 11:21:52.7, 0.9, 59.92N-24.32E, h0km, mbmp3.4/6,
ML3.5/4, Error ellipse: s-maj=9.9km s-min=6.0km
az=137.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MEF Metsahovi, MEF Metsahovi, HEL1 Helsinki, etc.

IDC 07 12:18:58.7,3.6,14.94N:93.97W,h0km,mb3.5/2, mbtmp3.5/4,ML3.3/2,MS2.2/1, Error ellipse: s-maj=101.2km s-min=50.7km az=63.0

MEX 07 12:19:02.1,0.8,14.61N:94.48W,h20km,25km,MD4.1

ISC 07 12:18:59.3,1.1,14.61N:96.0437W,0.03,h23km,n30, c194/53,Off coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like Arriaga, Huatulco, Union Juarez, Matias Romero, etc.

YKA Yellowknife Ar 49.93 348 P 0.5mm,1.0s,baz=158,slow=7.5,SNR=5.9 0.5mm,1.0s

ILAR Eielson Array 61.38 337 P 0.7mm,1.1s,baz=107,slow=7.3,SNR=4.9 0.7mm,1.1s

DJA 07 12:24:36.9,0.3,7.5S:4.106E, h100km,4km,M3.8/16, mb4.0/1,MLV3.6/16,Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Sukabumi, Cibinong, Dramaga, etc.

NEIC 07 12:46:33.1,1.6,6.0N:0.03:151.37W,0.05,h54km,8km, Error ellipse: s-maj=3.6km s-min=3.7km az=115.0

AEIC 07 12:46:33.6,1.4,6.014N:0.02:151.38W,0.05,h50km,7km, ML2.7,ML3.0/145(NEIC), Error ellipse: s-maj=3.7km s-min=2.3km az=52.0,Kenai Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Bradley Lake, Homer, China Poot, etc.

Main table with columns: PWL, Port Wells, 1.67 63 Pn, 12.46 59.1 -1.3, etc. Lists numerous stations and their associated data.

Table with columns: H21K, Melozitna Riva, 15.57 354 Pn, 12.47 54.5 +0.5, etc. Lists stations like Melozitna Riva, Joseph Creek, etc.

7d 13h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like C36M, BVAR, WUSHI, etc.

ISK 07 13:31:29.4, 38°59'N, 39°64'E, h5km, ML3.5/29
AFAD 07 13:31:30.1, 38°59'N, 39°64'E, h16km, 1km, MW3.6
ISC 07 13:31:31.1, 38°59'N, 02°39'64"E, 0.02, h8km, 8km, n54, c084/74, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KOVA, SVRC, PERTK, etc.

2019 JAN

Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like URFA, KARO, AZEY, etc.

432

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KANDR, IMMV, CHAN, etc.

7d 13h

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like MAN01, JANB, DIAM, VAS01, SDBA, ROSE, ROSC, etc.

2019 JAN

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like WCI, MCWV, WCFW, SIUC, MNHN, HHAR, etc.

434

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like DGMT, PPT2, TOR01, VAND, VVND, FFC, etc.

7d 14h

Table with columns for station code, name, frequency, and other technical details. Includes stations like MHTO, JMDO, BIDO, SMDO, CASY, etc.

2019 JAN

Table with columns for station code, name, frequency, and other technical details. Includes stations like RDOG, C17K, E17K, G17K, F17K, etc.

438

Table with columns for station code, name, frequency, and other technical details. Includes stations like J20K, M20K, NCK, A21K, etc.

comp=Z,62nm,21.0s,baz=112,slow=33					
TengChong	34.05 345	eP	P	15 10 49.6	+2.6
comp=Z,7.0nm,1.0s		pP	pmax	15 11 08.0	+3.2
PZH PanZhiHua	34.78 350	P	Pmax	15 10 56.1	+2.8
comp=Z,1.0nm,1.2s		pmax	pmax		
COEN Coen	35.09 103	Iamb	Iamb	15 11 01.2	
comp=Z,8.0nm,0.8s		T	T	15 48 00.9	
H0S2S Diego Garcia H	35.09 268	T	T	15 48 03.8	
comp=Z,92,slow=76,SNR=39				15 48 23.7	
H0S3S Diego Garcia H	35.11 268	T	T	15 48 23.7	
comp=Z,92,slow=76,SNR=39				15 28 48.9	
CTA Charters Tower	38.99 112	LR	LR	15 11 33.2	+1.6
comp=Z,5.1nm,18.2s,baz=276,slow=38		P	P	15 11 33.2	+1.6
STKA Stephens Creek	39.32 132	P	P	15 30 24.8	
comp=Z,8.2nm,0.5s,baz=312,slow=7		LR	LR	15 11 47.9	+1.4
STKA Stephens Creek	39.32 132	P	P	15 11 47.9	+1.4
comp=Z,9.7nm,18.5s,baz=258,slow=40				15 11 34.2	-1.6
JOW Kunigami	39.83 29	P	P	15 28 05.8	
comp=Z,8.3nm,0.9s,baz=187,slow=7.3,SNR=4.9		LR	LR	15 11 47.9	+1.4
NJ2 Nanjing	41.14 14	eP	Pmax	15 11 50.6	-1.3
comp=Z,9.0nm,0.5s		P	Pmax	15 12 15.3	-0.7
XAN Xi'an	41.78 1	P	Pmax	15 32 01.4	
comp=Z,11nm,1.2s		P	Pmax	15 12 40.0	+0.8
TIA Tai'an	44.78 11	P	Pmax	15 13 05.8	-0.5
comp=Z,5.0nm,0.4s		LR	LR	15 14 08.7	+1.3
JNU Nakatsue	46.33 27	LR	LR	15 48 03.8	
comp=Z,4.1nm,20.6s,baz=200,slow=36		sP	sP	15 48 03.8	
GTA Gaotai	47.73 352	eP	Pmax	15 48 03.8	
comp=Z,1.0nm,0.9s		eP	P	15 48 03.8	
HHC Hu-ho-hao-te	48.69 4	eP	P	15 48 03.8	
comp=Z,7.0nm,0.6s		pmax	pmax	15 48 03.8	
KSRS Korea Array	48.90 21	LR	LR	15 48 03.8	
comp=Z,1.1nm,21.1s,baz=200,slow=37		LR	LR	15 38 58.6	
MJAR Matushiro Ar	52.61 31	LR	LR	15 38 58.6	
comp=Z,30nm,18.3s,baz=33,slow=40		P	P	15 13 33.2	+1.9
WMQ Urumqi	54.71 342	eP	Pmax	15 13 36.8	-0.7
comp=Z,1.8nm,0.7s		P	P	15 13 36.8	-0.7
S0NM Songliao Array	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24		P	P	15 13 36.8	-0.7
S0NM Keskin Array B	55.57 359	P	P	15 13 36.8	-0.7
comp=Z,2.4nm,0.5s,baz=175,slow=8.3,SNR=24</					

IDC 07 16:45:23.6;2.5,1.91N,126.97E,h0km,mb3.1/3, mbtmp3.1/3, Error ellipse: s-maj=196.7km s-min=28.7km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 07 16:51:55.9;2.1,2.09N,125.60E,h0km,mb3.2/3, mbtmp3.2/3, MS3.3/1, Error ellipse: s-maj=190.3km s-min=26.6km az=65.0, Talaud Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include TGY Tagaytay City, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

SFS 07 16:52:59.9;36.93N;5.52W,h0km,ML2.5/6,ML2.4/7, ML2.4/7

MDD 07 16:53:00.9;0.4,37.01N;5.46W,h3km,4km,mb_Lg2.4/7, Error ellipse: s-maj=3.7km s-min=2.5km az=177.0

INMG 07 16:53:01.0;1.6,37.01N;5.42W,h8km,5km,ML2.1, Error ellipse: s-maj=3.7km s-min=3.4km az=156.0

#DIST_RANGE: 1.1, REGIONAL #IPMA_REGION: SE Selvilla (ESP)

ISC 07 16:52:59.4;1.1,37.00N;0.03;5.45W;0.02,h2km,10km, n27,c087/50,Spain

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include LJJA Lijar, ESPR Espera, EJIF Jimena Fronter, EGOR Sierra Gorda, EMIN Mina Concepcio, EADA Adamuz, ELGU Los Guajares, EOTA Presa de Quent, EQUQ Queantar, EGRO El Granado, PBAR Barrancos, PVAQ Vaqueiros, PBDV Barranco-do-Ve, EBAD Badajoz, PCVE Castro Verde, PSIM Granatula de C, MORF Marnelete, PAB San Pablo, PMRV Marv??o.

DJA 07 16:58:49.9;0.2,8.2S;2x10.9E,s, h53km,3km,MA,6/40, mb4.6/40,mb5.29,MLV4.6/35,Mw(MB)4.5/9

NEIC 07 16:58:50.3;1.4,8.20S;0.09;108.93E;0.0;9.17km,mb4.5/31, Error ellipse: s-maj=12.6km s-min=0.6km az=167.0

IDC 07 16:58:53.6;1.1,7.89S;109.18E,h104km,9km,mb4.0/20, mbtmp4.3/22,MS3.3/3, Error ellipse: s-maj=20.0km s-min=9.4km az=44.0

ISC 07 16:58:47.7;0.4,8.32S;0.06;108.97E;0.05,h55km,n117, c232/116,mb4.3/31,Java

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include CMJI Cimerak, CMYJ Karang Pucung, KPJI Yogyakarta, UGM Wanagana, UGM Wanagana, SMRI Semarang, LEM Lembang, LEM Lembang, CNJI Cibirong, PCJI Pacitan, NKUJ Ngawi, SKJI Sukabumi, UWJI Ujung Watu, PWJI Pangerwo, TBJI Tambak Boyo, CGJI Cibirong, GRJI Gresik, XMSI Christmas Isla, GMJI Gumukmas, BLMI Banyuglugur, KMLI Kalianget, JAGI Jajag, Banyuwana, JAGI Jajag, Banyuwana.

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include ABJI Asem Bagus, TPI Tanjungpandang, LWLI Liwa, MDSI Maura Dua, DNP Denpasar, SRBI Singaraja, PPBI Pangkal Pinang, MNAI Manna, TWSI Taliwang, KSI Kapaliang, STKI Sintang, PLAI Plampang, PPSI Pulau Pagai, KAPI Kappang, BKSI Bulukamba, BBSI Bauk Bau, SISI Saibi, PCI Palu, MMRI Maumere, PBSI Pulau Batu, KDI Kendari, BATI Baumata, BATI Baumata, TOLIZ Tolitoli, GIRL Giriala, SOEI Soe, SOEI Soe, MBWA Marble Bar, SANI Sanana, NLAI Namlea, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, AAI Ambon, TNTI Ternate, KNRA Kunurra, KNRA Kunurra, MTN Manton Dam, MTN Manton Dam, FAKI Fak Fak, FAKI Fak Fak, RKPI Ransiki, Pupa, WBD Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WB2 Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, COEN Coen, COEN Coen, BBOO Buckleboo, H0S2 Diego Garcia H, H0S3 Diego Garcia H, H0S1 Diego Garcia H, CTA Charters Tower, CTA Charters Tower, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, HHC Hu-ho-hao, HHC Hu-ho-hao, HHC Hu-ho-hao, MJF Kuroka, MAJO Matsushiro, MJAR Matsushiro Arr, MJBS Matsu-Tunnel, MJBS Matsu-Tunnel, SONM Songo Arr, SONM Songo Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr, AAK Ala-Archa, SIMJ Simiganj, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, H04N3 CROZET ISLANDS, RPZ Rata Rata, KURBB Kurbatov Arr, KURBB Kurbatov Arr, ZAAO Zalesovo Array, ZALV Zalesovo Beam, BKZ Black Star Fm.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include BKZ, BVAR Borovoye Array, BRVK Borovoye, YAK Yakutsk, PETK Petropavlovsk, ARTI Arti, NRKI Noril'sk, KBZ Khabaz, BOSA Boshof, BOSA Boshof, TIXI Tiksi, TIXI Tiksi, MMAI Mount Meron Arr, GSPA South Pole Qui, GSPA South Pole Qui, BR13 Keskin Arr, BR13 Keskin Arr, BRTR Keskin Arr, AKASG Malin Array, FINES FINESS Array, HFS Hagfors, YKA Yellowknife, PDAR Pinedale Array, BDFB Brasilia.

IDC 07 17:15:36.6;0.6,26.07N;100.09E,h0km,mb3.9/19, mbtmp3.9/20,ML3.9/1,MS3.4/3, Error ellipse: s-maj=22.6km s-min=12.7km az=65.0, BUJ 07 17:15:37.7;27.06N;100.12E,h12km,mb4.4/5,mb4.1/27, ML4.0/13,MS3.9/10,MS7.3/7/1

MOS 07 17:15:43.4;2.5,26.73N;99.89E,h23km,mb4.4/20, Error ellipse: s-maj=11.4km s-min=5.7km az=119.9

NEIC 07 17:15:44.2;0.6,26.8N;0.1;99.47E;0.10,h10km,1km, mb4.5/22, Error ellipse: s-maj=22.9km s-min=13.4km az=196.0

ISC 07 17:15:37.9;0.4,26.08N;0.04;100.07E;0.03,h10km,n104, c212/109,mb4.2/44,MS3.4/3,9C-2D,Yunnan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include PanZhiHua, TengChong, KMI Kunming, KMI Kunming, KMI Kunming, KMI Kunming, LKP Lekhapani, LKP Lekhapani, KOHI Kohima, IMP Imphal, IMP Imphal, ZIRO ZIRO, SLVN Son La, GYA Guiyang, AZL Alzawi, CHTO Chiang Mai, SHL Shillong, SHL Shillong, SHL Shillong, SHL Shillong, PHRA Phrae, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, LSA Lhasa, LZH Lanzhou, LZH Lanzhou, XAN Xi'an, XAN Xi'an, XAN Xi'an, QIZ Qiongzong, QIZ Qiongzong.

7d 17h

Table of station data for the 7d 17h period, including station names, codes, and various parameters like time and phase ID.

2019 JAN

Main table of station data for 2019 JAN, listing stations like Keskin Array B, Warramunga Arr, Bilibino, etc., with their respective codes and parameters.

448

Table of station data for the 448 period, including stations like Serbokala, Derbent, KMKR, etc., with their codes and parameters.

Additional information and notes at the bottom of the page, including coordinates and station names like NORS 07 17:22:55.3, 42°37'N-47°88'E, etc.

Table with columns: MRKS, Marke, Az, El, Pn, Time Res. Includes entries like MRKS 1.5nm,0.3s, 3.63 16 Pg Pn 17 38 10.3 +2.4.

IDC 07 17:39:49.4+0.8, 10.63N:63.09W, h0km, mb3.9/10, mblmp3.9/12, ML3.1/2, Error ellipse: s-maj=19.6km s-min=12.5km az=160.0

NEIC 07 17:39:51.2+1.3, 10.41N:0.04:63.12W:0.07, h10km, 1km, mb4.3/4, Error ellipse: s-maj=12.8km s-min=6.2km az=69.0

TRN 07 17:39:53.6, 10.47N:63.27W, h13km, MDO.0, Venezuela. Auto mag 4.5, coda is cut by secondary event.

FUNV 07 17:39:54.6, 10.52N:63.27W, h19km, MW4.3, ISC 07 17:39:52.8+1.3, 10.146N:0.05:63.21W:0.03, h2km, 10km, n57, r16171, mb3.9/10, 6C-2D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, El, Pn, Time Res. Includes entries like CUMV Cumana_UDO 0.96 2671 Op ISC 17 40 10.8 +0.2.

Table with columns: Code, Station Name, Az, El, Pn, Time Res. Includes entries like BOAV Boa Vista 8.45 161 Pn 17 41 53.1 -0.4.

Mw=0.42z:07, Mw=0.13z:07, Mw=0.03z:25; Mw=1.64z:05; Mw=1.48z:33; Best double couple; M2.24000x1016 NP1=88.00000, 848.00000, N-173.00000... NP2: 353.00000, 84.00000, 4-42.00000... Principal axes: T 2.2390, Plg24.0000, Azm48.0000; N 0.0030, Plg48.0000, Azm167.0000; P -2.2420, Plg33.0000, Azm301.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 07 17:41:51.5+1.9, 10.45N:63.23W, h62km, 17km, mb4.0/22, mblmp4.3/23, MS3.9/25 Error ellipse: s-maj=13.1km s-min=6.2km

VAO 07 17:41:53.6+3.4, 9.98N:63.29W, h24km, 21km, mb4.5, ISC 07 17:41:45.5+0.4, 10.48N:0.04:63.22W:0.04, h9km, n157, r166135, mb4.7/50, MS3.8/21, 5C-2D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, El, Pn, Time Res. Includes entries like CUMV Cumana_UDO 0.96 2671 Op ISC 17 40 10.8 +0.2.

Table with columns: Code, Station Name, Az, El, Pn, Time Res. Includes entries like CPUP Villa Florida 37.04 171 P P 17 48 55.7 -0.2.

7d 19h

comp=2.0,3nm,0.4s,baz=97,slow=1.1,SNR=11
WRA comp=2.0,8nm,0.9s,baz=119,slow=3.8,SNR=4.1

IDC 07 17:58:41.9,0.7,2.37N,126.61E,h0km,mb3.9/15,
mbmp3.9/15,MS2.6/1, Error ellipse: s-maj=38.7km
s-min=13.1km az=73.0
DJA 07 17:58:46.0,0.3,2.3N,127.7E,h10km,M4.1/13,mb4.3/3,
MLV4.0/13
NEIC 07 17:58:48.9,1.1,2.3N,127.7E,0.10,5.87km,10km,
mb4.2/16, Error ellipse: s-maj=18.5km s-min=8.5km
az=222.0

ISC 07 17:58:48.2,0.6,2.37N,126.82E,0.10,h53km,n40,
r11/141,mb3.9/19,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MYLDM Lahad Datu, MTN Manton Dam, KNRA Kununurra, WRAB Tennant Creek, WRA Warramunga Arr, WB2 Warramunga Arr, WBR2 Warramunga Arr, UBPT Khong Chiam, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, FORT Forrest, KRSR Korea Array, MJKA Matsushiro Arr, STKA Stephens Creek, USKR Ussuriysk Arr, ULN Ulanbaatar, SONM Songoing Array, MK31 Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, GAR Garm, KURBB Kurchatov Arra, KURK Kurchatov, KKAR Karatay Arr, BVAR Borovoye Array, ABKAR Akbulak array, VVDA Vanda, FINES FINESS Arr B, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

IDC 07 18:11:23.6,1.2,2.40N,126.61E,h0km,mb3.4/6,
mbmp3.5/6, Error ellipse: s-maj=101.9km s-min=18.0km
az=71.0

2019 JAN

DJA 07 18:11:29.1,2.0,3.2N,127.7E,h10km,M4.0/13,mb4.3/4,
MLV3.9/13
ISC 07 18:11:29.8,1.0,2.39N,126.9E,0.1,h50km,n12,
r106/113,mb3.6/5,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

IDC 07 18:48:21.2,1.6,9.72N,56.97E,h0km,mb3.6/6,
mbmp3.6/6,MS3.5/1, Error ellipse: s-maj=49.1km
s-min=30.8km az=47.0
ISC 07 18:48:22.8,1.6,9.8N,57.0E,0.3,h10km,n7,r190/6,
mb3.6/6,Carlsberg Ridge

450

IDC 07 19:03:05.3,13.0,36.23N,171.25E,h193km,159km,
mb3.6/6,mbmp3.7/8,ML3.1/2, Error ellipse:
s-maj=101.5km s-min=57.8km az=98.0
ISC 07 19:03:08.4,2.3,36.6N,171.1E,0.2,h200km,n15,
r178/116,mb3.7/5,2C-1D,Afghanistan-Tajikistan border
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, EKS2 Erkin-Say, KK31 Karatay Arra, AAK Ala-Archa, KBK Karagaybulak, TKM2 Tokmak 2, and others.

IDC 07 19:14:54.8,1.2,4.49S,130.37E,h0km,mb3.7/5,
mbmp4.0/9,ML4.3/4, Error ellipse: s-maj=53.9km
s-min=19.0km az=78.0

DJA 07 19:03:06.7,0.3,11.3S,311.8E,h10km,M4.1/15,
mb4.1/9,MLV4.2/15
ISC 07 19:03:09.0,0.9,11.45S,311.9E,0.07,h36km,n24,
r151/127,South of Sumbawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WBSI Waikabubak, PLAI Plampang, BASI Baing, TWSI Taliwang, DNP Denpasar, SING Singaraja, MMRI Maumere, JAJI Jajag, BATI Baumenta, GMJI Gumukmas, BSSI Bau Bau, KMMI Kailanget, PWJI Pangerwo, PCJI Pongkor, UGM Wanagama, MBWA Mawab, PSAO Pilibara, GIRL Giralia, MEEK Meekatharra, WRKA Warakurna, MORW Morawa, BLDU Ballard, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WBSI Waikabubak, PLAI Plampang, BASI Baing, TWSI Taliwang, DNP Denpasar, SING Singaraja, MMRI Maumere, JAJI Jajag, BATI Baumenta, GMJI Gumukmas, BSSI Bau Bau, KMMI Kailanget, PWJI Pangerwo, PCJI Pongkor, UGM Wanagama, MBWA Mawab, PSAO Pilibara, GIRL Giralia, MEEK Meekatharra, WRKA Warakurna, MORW Morawa, BLDU Ballard, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WBSI Waikabubak, PLAI Plampang, BASI Baing, TWSI Taliwang, DNP Denpasar, SING Singaraja, MMRI Maumere, JAJI Jajag, BATI Baumenta, GMJI Gumukmas, BSSI Bau Bau, KMMI Kailanget, PWJI Pangerwo, PCJI Pongkor, UGM Wanagama, MBWA Mawab, PSAO Pilibara, GIRL Giralia, MEEK Meekatharra, WRKA Warakurna, MORW Morawa, BLDU Ballard, and others.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WBSI Waikabubak, PLAI Plampang, BASI Baing, TWSI Taliwang, DNP Denpasar, SING Singaraja, MMRI Maumere, JAJI Jajag, BATI Baumenta, GMJI Gumukmas, BSSI Bau Bau, KMMI Kailanget, PWJI Pangerwo, PCJI Pongkor, UGM Wanagama, MBWA Mawab, PSAO Pilibara, GIRL Giralia, MEEK Meekatharra, WRKA Warakurna, MORW Morawa, BLDU Ballard, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WBSI Waikabubak, PLAI Plampang, BASI Baing, TWSI Taliwang, DNP Denpasar, SING Singaraja, MMRI Maumere, JAJI Jajag, BATI Baumenta, GMJI Gumukmas, BSSI Bau Bau, KMMI Kailanget, PWJI Pangerwo, PCJI Pongkor, UGM Wanagama, MBWA Mawab, PSAO Pilibara, GIRL Giralia, MEEK Meekatharra, WRKA Warakurna, MORW Morawa, BLDU Ballard, and others.

IDC 07 19:09:47.1,2.0,1.62N,124.78E,h0km,mb3.1/3,
mbmp3.2/4,ML3.3/1, Error ellipse: s-maj=132.8km
s-min=27.1km az=67.0,Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, and others.

IDC 07 19:10:31.8,1.0,2.31N,126.72E,h0km,mb3.5/8,
mbmp3.6/9,ML3.8/1, Error ellipse: s-maj=55.8km
s-min=16.8km az=66.0
DJA 07 19:10:36.0,0.3,2.3N,127.7E,h10km,M3.9/12,mb2.4/3,
MLV3.8/12
ISC 07 19:10:38.4,0.8,2.3N,127.7E,0.10,h53km,n15,
r131/15,mb3.4/7,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, KMSI Cibinong, SANI Sanana, LUWI Luwuk, KDI Kendari, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, and others.

IDC 07 19:14:54.8,1.2,4.49S,130.37E,h0km,mb3.7/5,
mbmp4.0/9,ML4.3/4, Error ellipse: s-maj=53.9km
s-min=19.0km az=78.0

DJA 07 19:15:16.0,0.4,5°S,3°13'0E, h191km,5km, M4,0/13, mb4.0/3,MLV4.0/13

ISC 07 19:15:16.0,0.7,5.07S,0°06'129.71E:0.06,h200km,n25, c1828/28,mb3.5/5, Banda Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates, including BNDI, MASO, AAI, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like TINTI, SGTI, KMSI, etc.

TEH 07 20:10:54.5, 34°65'N, 45°64'E, h10km, 70km
ISC 07 20:10:55.0, 1.6, 34°64'N, 45°57'E, h25km, ML2.8

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like KGS1, GLG1, IDH1, etc.

IDC 07 20:14:52.0, 6.0, 54°88'N, 162°16'E, h0km, mb4.1/26, mbmp4.1/28, ML3.72, MS3.29, Error ellipse: s-maj=16.8km s-min=13.7km az=152.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like KBR1, KBT1, KBT2, etc.

MOS 07 20:14:58.6, 0.9, 54°76'N, 162°49'E, h39km, mb4.3/2, Error ellipse: s-maj=9.2km s-min=5.5km az=76.7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like KBR1, KBT1, KBT2, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like PALN, SHEMA, SHEMA, etc.

IDC 07 19:33:04.6, 0.9, 2°43'N, 126°72'E, h0km, mb3.6/7, mbmp3.6/7, Error ellipse: s-maj=70.5km s-min=17.3km az=70.0

DJA 07 19:33:10.1, 0.3, 2°N, 4°12'7E, h10km, M3.7/11, MLV3.7/11

ISC 07 19:33:12.3, 0.8, 2°33'N, 126°9E:0.1, h53km, n16, c197/17, mb3.7/7, Northern Molucca Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like PETK, RUS1, etc.

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7d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKASG Malin Array Be, TXAR Lajitas Array, KVAR Kislovodsk Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WB2 Warrungunga Arr, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, YBH Yreka Blue Hor, PDAR Pinedale Array, etc.

TEH 07 20:16:24.6, 34.11N:45:58E, h0km, 92km
ISN 07 20:16:25.5, 1.3, 34.15N:45:60E, h19km, 12km, ML3.1

TEH 07 20:16:25.9, 1.0, 34.13N:0.04:45:62E:0.06, h10km, n11,
c0593/14, Iran-Iraq border region

IDC 07 20:34:1.1, 0.9, 2.42N:126:52E, h0km, mb3.8/10,
mbmp3.4/10, Error ellipse: s-maj=37.1km s-min=16.7km
az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GLG1 Gilan-e-Gharb, KGS1 Ghasr-e-Shirin, ILBA Ilam Banvizeh, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHTO Chiang Mai, FORT Forrest, KSR5 Korea Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, etc.

TEH 07 20:17:14.9, 28:35N:57:01E, h10km, 95km
DSN 07 20:17:15.7, 1.2, 28:17N:57:30E, h10km, ML2.7/4, Error
ellipse: s-maj=57.7km s-min=9km az=115.0

TEH 07 20:17:18.2, 0.1, 28:17N:56:89E, h10km, mb4.9/1, ml2.9/6,
Error ellipse: s-maj=2.7km s-min=1.8km az=249.0

ATH 07 20:39:24.0, 35:58N:23:44E, h13km, 2km, ML2.9/4, Error
ellipse: s-maj=2.9km s-min=1.0km az=225.0

OMAN 07 20:17:18.2, 0.1, 28:17N:56:89E, h10km, mb4.9/1, ml2.9/6,
Error ellipse: s-maj=2.7km s-min=1.8km az=249.0

ISN 07 20:17:15.1, 1.1, 1.29:34N:0.04:57:00E:0.05, h10km, n23,
c090/32, Southern Iran

ISN 07 20:39:23.7, 1.2, 35:58N:0.05:23:44E:0.06, h15km, 9km,
n12, c0943/20, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KHNJ Kahnooj, IBND Bandar-abas, GENO Geno, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like USRK Ussuriysk Arr, SOMM Songino Array, SOMM Songino Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANKY Antikythira ls, ANKY Antikythira ls, ANKY Antikythira ls, etc.

IDC 07 20:25:06.5, 0.5, 2.40N:126:77E, h0km, mb4.1/19,
mbmp4.1/20, ML3.7/1, MS3.4/1, Error ellipse:
s-maj=32.4km s-min=9.6km az=73.0

IDC 07 20:33:21.9, 1.1, 7.27S:156:80E, h0km, mb4.2/11,
mbmp4.2/11, MS3.0/7, Error ellipse: s-maj=31.7km
s-min=22.8km az=113.0

ISN 07 21:04:30.8, 0.5, 34.12N:45:53E, h6km, 6km, ML2.9
TEH 07 21:04:31.1, 34.11N:45:58E, h0km, 78km

NEIC 07 20:25:12.3, 1.8, 2.39N:0.10:126:7E:0.1, h35km, 2km,
mb4.4/23, Error ellipse: s-maj=25.2km s-min=8.7km
az=234.0

ISN 07 20:25:13.8, 0.5, 2.50N:0.05:126:88E:0.09, h53km, n58,
c1571/66, mb4.2/27, Northern Molucca Sea

ISN 07 21:04:32.0, 0.4, 34.12N:45:57E, h10km, 298km
TEH 07 21:08:07.6, 1.2, 34.15N:45:60E, h40km, 48km, ML2.5
ISN 07 21:08:06.1, 0.4, 34.15N:0.05:45:59E:0.07, h10km, n7,
c0594/10, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TINTI Ternate, TINTI Ternate, SGTI Sangihe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, PMG Port Moresby, JAY Jayapura, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GLG1 Gilan-e-Gharb, KGS1 Ghasr-e-Shirin, ILBA Ilam Banvizeh, etc.

IDC 07 21:49:00.9, 4.6, 48:68S:106:53E, h0km, mb3.9/4,

mbtmp3.9/4, Error ellipse: s-maj=161.6km s-min=27.5km az=117.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W3 Cape Leeuwin H, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, OSPA South Pole Qui.

NEIC 0721:58:40.4, 1.6, 5.6S:0.1, 154:3E:0.1, h155km, 7km, mb4.2/37, Error ellipse: s-maj=19.5km s-min=13.7km az=47.0

IDC 0721:58:45.0, 2.1, 5.6GS:1.9, h205km, 19km, mb3.8/16, mbtmp4.4/20, Error ellipse: s-maj=14.6km s-min=12.9km az=59.0

ISC 0721:58:44.7, 0.5, 5.6GAS:0.07, 154:3E:0.07, h200km, n76, o=587/76, mb4.1/31, Bougainville-Solomon Islands region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RABL Rabaul, PMG Port Moresby, JAY Jayapura, CTA Charters Tower, EIDS Eidsvold, DZM Mont Dzumac, WBO Warramunga Arr, MTN Mantion Dam, WBR Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, KNRA Kunurra, STKA Stephens Creek, FITZ Fitzroy Crossi, BBOO Buckleboe, FORT Forrest, ORZ Quartz Range, RTZ Rustahana, THZ Topouse, TCW Tory Channel, MRZ Mangatainoka R, MSWZ Moikau Station, KHZ Kahutara, GVZ Greta Valley S, MORW McQueen's Vall, TPUB Ta-pu, PETK Petropavlovsk, CMAR Chiang Mai Arr, SONM Songino Array, VNDA Vanda, ACHA Angle Creek He, L16K Owhai River, N17K Nushagak Hills, J16K Anvik River, J17K VABM Dome, G16K Koyuk River, SLKM Skiyak Lake, E19K Redstone River, D19K Kuna River, C8K Clear Creek Bu, MK31 Makanchi Array, MKAR Makanchi Array, ILAR Eielson Array, H24K Noodor Dome, Z22K Anaktuvuk Pass, ZALV Zalesovo Beam, J25K Salcha River, D23K Nanushuk River.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like D23K comp=Z, 2.1nm, 0.8s, C23K Ktilik River, OSPA South Pole Qui, BMAR Burnt Mountain, D25K Kavik River, MAW Mawson, KURBB Kurchatov Arr, NR1K Noril'sk, BVAR Borovoye Array, KMBO Kilima Mbogo, BRTR Keskin Array B, BOAV Boa Vista, TORF Torod Arr, DBIC Dimbokro, DBIC comp=Z, 2.3nm, 1.0s, bz=90, slow=2.0, SNR=2.0.

IDC 0722:18:39.3, 0.8, 5.5:00N:164.46E, h0km, mb3.8/10, mbtmp3.9/12, ML3.3/2, MS2.8/3, Error ellipse: s-maj=28.3km s-min=15.8km az=152.0

KRSC 0722:18:40.6, 1.7, 5.4:80N:164.48E, h48km, 35km, ML4.4, NEIC 0722:18:41.0, 1.4, 5.5:0N:0.1, 164.48E:0.05, h100km, 1km, mb4.2/44, Error ellipse: s-maj=21.0km s-min=4.3km az=187.0

MOS 0722:18:42.0, 2.0, 6.5:485N:164.61E, h34km, mb4.5/4, Error ellipse: s-maj=8.1km s-min=6.6km az=55.5

ISC 0722:18:43.4, 1.8, 5.4:83N:0.04, 164:63E:0.04, h31km, 13km, n136, o154/118, mb4.1/29, Komandorsky Islands region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKI Bering, KBTR Krutoberegovo, KBTR Krutoberegovo, KBG Krutoberegovo, KBG Krutoberegovo, BZWR Bezymyanniye-We, BZWR Bezymyanniye-We, KMNR Kameniastaya, KMNR Kameniastaya, SRKR Sorokina, SRKR Sorokina, KIRR Kirishev, KIRR Kirishev, KLY Klyuchi, KLY Klyuchi, KPT Kopyto, KPT Kopyto, KOZ Kozyrevsk, KOZ Kozyrevsk, KOZ Kozyrevsk, SRDR Sredinnyy, SRDR Sredinnyy, SPN Mys Shipunski, SPN Mys Shipunski, NLC Nalytchevo, NLC Nalytchevo, ESO Esso, ESO Esso, AVH Avacha, AVH Avacha, KRX Arik, KRX Arik, KRX Koryaka, KRX Koryaka, DALK Dalny, DALK Dalny, PETK Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, INSR Institute, GNL Ganaly, GNL Ganaly, KRMR Karymshinskiy, KRMR Karymshinskiy, RUS Ruskaya, RUS Ruskaya, PEAOB Petropavlovsk, PEAOB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, MTRV Mutnovka, MTRV Mutnovka, GRL Gorelyy, GRL Gorelyy, OSSR Ossora, OSSR Ossora, APC Apacha, APC Apacha, KDTR Khodutka, Kamc, KDTR Khodutka, Kamc, SHEM Shemaya Is, Ala, SHEM Shemaya Is, Ala, SHEM Shemaya Is, Ala, MA2 Magadan, MA2 Magadan, H14K Harvatsk Lak, F15K Nor Star Dir, K15K Wolf Creek Mou, K15K Wolf Creek Mou.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like C16K Lisbena Hills, N15K Kwethluk River, J16K Anvik River, M16K Timber Creek, M16K Iditarod, M17K Holifna River, M17K Holifna River, H18K Homohoa River, H18K Inno River, J19K Poorman, J19K Poorman, J20K Novitna River, J20K Novitna River, F21K Alatina River, F21K Alatina River, B21K Ikpikpuk River, B21K Ikpikpuk River, STLK Stadiine Lak, KDKAK Kodiak Island, KDKAK Kodiak Island, CNPM China Poot, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, D23K Nanushuk River, D23K Nanushuk River, I23K Minto, Yukon-K, I23K Chandalar, TOLK Toolik Lake, E24K Your Creek, E24K Your Creek, D24K Happy Valley, F24K Squaw Lake, G24K Hadweencziy, G24K Hadweencziy, SCM Sheep Creek Mo, SCM Sheep Creek Mo, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, M29M Somme Creek, M29M Somme Creek, K29M Barlow Dome, K29M Barlow Dome, HYT Haines Junction, G31M Satah River, G31M Satah River, INK Inuvik, INK Inuvik, M31M Drury Creek, Y, H11N2 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, EUNU Eureka, EUNU Eureka, YKA Yellowknife Arr, KURK Kurchatov, KURK Kurchatov, KURB Kurchatov Arr, FCC Fort Churchill, FCC Fort Churchill, PDAR Pinedale Array, ABKAR Akbulak array, FINES FINESS Array B, ANMO Albuquerque, R40A Maddies Street, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, LMQ La Malbea, WVNY West Valley, N, WRA Warramunga Arr, ASAR Alice Springs, ESDC Sonseca Array.

IDC 0722:19:37.8, 2.8, 22:52N:121.73E, h0km, mb3.8/9, mbtmp3.8/11, ML3.6/2, MS3.0/3, Error ellipse: s-maj=59.8km s-min=25.9km az=154.0 JMA 0722:19:40.8, 0.1, 22:7N:0.5, 121:4E:0.4, h25km, MV4.0/17, TAIWAN REGION NIED 0722:19:40.8, 22:70N:121.40E, h25km, MW3.9, Moment Tensor solution: s2 Moment tensor: Scale 10^14 Nm; Mrr:7.98; Mtt:7.63; Mss:3.5; Mtr:0.24; Mts:0.65; Mrt:0.78; Fault plane solution: Mf:3.700x10^14 NP1: phi:70.233 deg, lambda:0.0000 deg, tau:87.0000 deg, NPF2: phi:0.0000 deg, lambda:0.0000 deg, tau:83.0000 deg TAP 0722:19:42.6, 22:79N:121.36E, h13km, ML4.3, C ASIES 0722:19:42.6, 22:79N:121.36E, h13km, ML4.3, Mw4.0,

Moment Tensor Solution. Moment tensor: Scale 10^21Nm; M=6.28; M2=2.33; M3=1.79; M4=4.86; M5=7.81; M6=1.27; Fault plane solution: M10.49550x10^21 Np1; ...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their associated data points.

Table with columns: Sg, Pg, P, S, Smax, Smin, Smax, Smin. Lists various stations and their associated data points.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations and their associated data points.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Ostrava-Krasne, Ojcov, Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Matushiro Arr, Petropavlovsk, Songoing Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Gordes-Manisa, CANAKKALE, Ezine-Canakkal, etc.

8d 0h

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra.

ADC 08 00:14:37.71.3, 1.86N, 125.64E, h0km, mb3.8/6, mbtmp3.8/7, ML3.9/1, MS2.5/1, Error ellipse: s-maj=85.9km s-min=17.4km az=66.0

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Rows include TNTI Ternate, SGSI Sangihe, KMSI Cibinong, SANI Sanana, LUWUK Luwuk.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Rows include APISI Ampapa, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array.

DJA 08 00:23:55.2, 0.4, 2.2°N, 5.12°E, h10km, M3.7/7, mb3.9/1, MLV3.6/7

ADC 08 00:23:49.2, 0.2, 5.28N, 126.95E, h0km, mb3.5/4, mbtmp3.5/4, MS2.5/1, Error ellipse: s-maj=191.5km s-min=21.7km az=67.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Rows include WRA Warramunga Arr, JOW Kunigami, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra.

ADC 08 00:28:02.8, 3.8, 56.20S, 26.92W, h0km, mb4.1/2, mbtmp4.1/2, Error ellipse: s-maj=127.9km s-min=45.2km az=171.0, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Rows include H10N1 ASCENSION HYDR9, H10N3 ASCENSION HYDR2, H10N2 ASCENSION HYDR4, LPAZ La Paz, TORD Torodi Ar. Bea, ILAR Eielson Array.

ADC 08 00:40:48.4, 0.7, 11.19S, 13.96W, h0km, mb4.1/2, mbtmp4.1/3, ML3.7/1, MS4.3/5, Error ellipse: s-maj=27.3km s-min=15.8km az=127.0

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Rows include H10N2 ASCENSION HYDR2, ASCN Ascension, H10N1 ASCENSION HYDR, H10N1, H10N3 ASCENSION HYDR, H10N2, H10N1, H10N2, H10N1, DBIC Dimbokro, DBIC, DBIC, BBTs Babate, TORD Torodi Ar. Bea, TORD, BDBF Brasilia, BDBF, SUR Sutherland, TAM Tamarassat.

2019 JAN

Main central table with columns: LBTB Lobatse, BOSA Boshof, BOSB Bosa, LSZ Lusaka, CPUP Villa Florida, CPUP, CPUP, CPUP, CPUP, CPUP, MDT Midelt, ETMB, ESDC Sonseca Array, ESDC, KEST Kesra, KEST, LPAZ La Paz, LPAZ, H05SI Guadeloupe/Mar, H05N1 Guadeloupe/Mar, CO01 Juntas del Tor, CO01, AC05 El Transito, VAE Valguarnera, CO03 El Pedregal, CO03, PLCA Paso Flores, CZSB Cruzeiro do Su, CZSB, SJG San Juan, SDV Santo Domingo, SNAA Sanae, SNAA, USHA Ushuaia, ATD Arta Tunnel, DAVOX Davos/Dischmat, DAVA Damules, FETA Feichten, ROSC El Rosal, EIL Elat, SQTA Sankt Quirin, ABTA Abfaltersbach, MOTA Moosalm, RETA Reutte, WTTA Wattenberg, WATA Walderalm, OBKA Obir, LESA Lesa, SOKA Soboth, PMSA Palmer Station, BIOA Bad Ischl, ATAH Atahualpa, ARSA Conrad Observa, MOA Molin, MMAI Mount Meron Ar, RONA Rosalia, Austr, CONA Conrad Observa, GERES GERESE Array, ASF Jabal al Asfar, VRAC Vranov, MLR Muntele Rossy, BRTR Keskin Array, BRTR, BELA Belgrano 2, AKASG Malin Array, AKASG, JTS Las Juntas de, MAW Mawson, HFS Hignfors, GNI Garni, NOA NORAS Array B, KBZ Khabaz, BORG Borgarnes, OBN Obninsk, QSPA South Pole Qui, QSPA, QSPA, FINES FINESS Array, SCHO Schefferville, TKL Tuckaleech, TZTN Tazewell, TZTN, SADO Sadova, B52A Chesterland, B52B Belogorove, B52C Belogorove.

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Table with columns: SFJD Kangerlussuaq, CMIG Matias Romero, FRB Frobisher Bay, KIRV Kirov, AKTO Aktyubinsk, RPN Rapa Nui, ARTI Art, VNDY Vanda, ULM Lac du Bonnet, TXAR Tajikistan, BVAR Borovoye Array, PALK Pallekele, ANMO Albuquerque.

ADC 08 00:49:25.6, 0.8, 28.64N, 99.65E, h0km, mb3.9/11, mbtmp3.9/13, ML3.9/2, MS3.5/7, Error ellipse: s-maj=33.4km s-min=1.4km az=69.0

NEIC 08 00:49:28.4, 1.3, 28.63N, 100.09E, h10km, mb3.9/1, mb4.1/20, Error ellipse: s-maj=15.8km s-min=11.5km az=351.0

ISC 08 00:49:27.1, 0.5, 28.58N, 100.49E, h10km, n63, c27/66, mb4.1/24, MS3.3/7, Yunnan

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Rows include LKP Lekhapani, KLM TengChong, TNCH, TNCH, TNCH, CD2 Chengdu, CD2, CD2, KMI Kunming, KMI, KMI, KMI, ZIRO ZIRO, ZIRO, IMP Imphal, IMP, IMP, TAWA Tawang, TAWA, LSA Lhasa, LSA, LSA, SHL Shillong, SHL, SHL, AIZAWI Aizawi, AZL, AZL, AZL, AZL, GOMU GeErMu, GOMU, GOMU, GOMU, ENH Enshi, CHTO Chiang Mai, XAN Xi'an, XAN, XAN, XAN, XAN, CMAR Chiang Mai Arr, CMAR, CMAR, WHN Wuhan, BTO Baotou, BTO, BTO, BTO, BTO, BTO, SONM Songino Array, SONM, TWG Pinlang, TWG, TARG Taragay, TARG, PRZ Przhevalsk, PRZ, KSH Kashi, KSH, MK31 Makanchi Array, MKAR Makanchi Array.

8d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Innoko River, Poorman, Dawson, SKAG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ISK 08 01:24:20.8, AFAD 08 01:24:21.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KLNIA, YKAV, BODT, NISR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAT, SMG, YAZI, etc.

ISC 08 01:28:49.8, 2.1, 5.36N, 126.13E, h0km, mb3.6/4, mbtm3.6/4, MS3.9/1, Error ellipse: s-maj=202.5km s-min=23.5km az=66.0, Mindanao

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KCHF, KCHF, IGHG, ILBA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJA 08 01:40:14.5, IDC 08 01:41:02.7, GUC 08 01:41:05.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BI05, BI05, BI04, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H03S1, H03S3, H03S2, etc.

IDC 08 02:10:07.7, 1.4, 2.43N, 126.63E, h0km, mb3.7/6, mbtm3.7/6, MS3.2/1, Error ellipse: s-maj=105.4km s-min=17.8km az=68.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WESE, WESE, WEBC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like S12K, S12K, S12K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CTA, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BARC, BARC, BRJC, etc.

RSNC 08 02:32:00.2, 0.0, 7.1N, 173.3W, h141km, mb2.9, mb3.6, mb2.2, ML2.7, Mw(mB)4.5, Northern Colombia

Table with columns: JAMC, Station Name, Time, Res, Pn, S, Sn, ISC, h, m, s, ISC. Includes stations like Jamundi, Valle, Bathia Malaga, Garzon, Huila, Popayan, Colom, etc.

NEIC 08 02:32:44.8±2.1, 60.43N; 0.04±152.95W; 0.07, h131km, 6km, Error ellipse: s-maj=5.3km s-min=5.2km az=199.0

AEIC 08 02:32:46.3±0.9, 60.45N; 0.04±152.76W; 0.07, h122km, 5km, ML2.4, ML2.7/100(NEIC), Error ellipse: s-maj=5.8km s-min=5.1km az=138.0, Southern Alaska

Main table for NEIC and AEIC stations. Columns: Code, Station Name, Time, Res, Pn, S, Sn, ISC, h, m, s, ISC. Includes stations like Redoubt Volcan, Spurr Blockage, etc.

Table with columns: CAST, Station Name, Time, Res, Pn, S, Sn, ISC, h, m, s, ISC. Includes stations like Castle Rocks, Nushagak River, etc.

NAO 08 02:42:32.6±1.8, 75.40N; 7.34E, ML3.2 BER 08 02:42:35.7±3.7, 75.34N; 7.97E, h10km, mb(Pn)4.3, ML3.2(NAO), Confirmed Earthquake

IDC 08 02:42:35.5±1.2, 75.33N; 8.16E, h0km, mb3.3/5, mbmp3.5/9, ML3.0/4, MS3.3/17, Error ellipse: s-maj=22.1km s-min=13.0km az=80.0

FCIAR 08 02:42:36.0, 75.49N; 9.51E, h10km DNK 08 02:42:41.9±3.1, 75.86N; 5.64E, h20km, ML1.7 KOLA 08 02:42:43.8, 75.07N; 9.69E, h0km, ML2.1, Error ellipse: s-maj=51.9km s-min=32.0km az=150.0, Norwegian sea, Knipovich ridge, south

ISC 08 02:42:29.8±1.6, 75.41N; 0.04±8.55E; 0.05, h14km±11km, m6.8, ±201/65, mb3.3/5, MS3.2/12, Greenland Sea

Table with columns: Code, Station Name, Time, Res, Pn, S, Sn, ISC, h, m, s, ISC. Includes stations like HSPB, BJO1, BRBA, etc.

NAO 08 02:42:32.6±1.8, 75.40N; 7.34E, ML3.2 BER 08 02:42:35.7±3.7, 75.34N; 7.97E, h10km, mb(Pn)4.3, ML3.2(NAO), Confirmed Earthquake

IDC 08 02:42:35.5±1.2, 75.33N; 8.16E, h0km, mb3.3/5, mbmp3.5/9, ML3.0/4, MS3.3/17, Error ellipse: s-maj=22.1km s-min=13.0km az=80.0

FCIAR 08 02:42:36.0, 75.49N; 9.51E, h10km DNK 08 02:42:41.9±3.1, 75.86N; 5.64E, h20km, ML1.7 KOLA 08 02:42:43.8, 75.07N; 9.69E, h0km, ML2.1, Error ellipse: s-maj=51.9km s-min=32.0km az=150.0, Norwegian sea, Knipovich ridge, south

ISC 08 02:42:29.8±1.6, 75.41N; 0.04±8.55E; 0.05, h14km±11km, m6.8, ±201/65, mb3.3/5, MS3.2/12, Greenland Sea

Main table for NAO, IDC, FCIAR, DNK, KOLA, ISC stations. Columns: Code, Station Name, Time, Res, Pn, S, Sn, ISC, h, m, s, ISC. Includes stations like HSPB, BJO1, BRBA, etc.

Table with columns: ARCES, Station Name, Time, Res, Pn, S, Sn, ISC, h, m, s, ISC. Includes stations like ARCES ARCESS Array B, ARCES ARCESS Array S, etc.

NOU 08 02:57:27.0, 39.20S; 174.65E, h208km, MLV3.6/17, North Island, New Zealand

WEL 08 02:57:29.5±0.8, 39.3°S; 174.5°E, h196km, 5km, M2.7/22, ML2.5/6, MLV2.7/22, Error ellipse: s-maj=8.0km s-min=5.5km az=8.6

ISC 08 02:57:23.9±1.8, 39.13S; 0.05±174.64E; 0.05, h235km, 10km, n90, ±193/121, North Island

Main table for ARCES, NOU, WEL, ISC stations. Columns: Code, Station Name, Time, Res, Pn, S, Sn, ISC, h, m, s, ISC. Includes stations like VRZ, DREZ, LREZ, etc.

NOU 08 02:57:27.0, 39.20S; 174.65E, h208km, MLV3.6/17, North Island, New Zealand

WEL 08 02:57:29.5±0.8, 39.3°S; 174.5°E, h196km, 5km, M2.7/22, ML2.5/6, MLV2.7/22, Error ellipse: s-maj=8.0km s-min=5.5km az=8.6

ISC 08 02:57:23.9±1.8, 39.13S; 0.05±174.64E; 0.05, h235km, 10km, n90, ±193/121, North Island

Main table for ARCES, NOU, WEL, ISC stations. Columns: Code, Station Name, Time, Res, Pn, S, Sn, ISC, h, m, s, ISC. Includes stations like VRZ, DREZ, LREZ, etc.

s-min=5.9km az=126.0, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mrr:1.99; Mss:0.28; Mxx:1.71; Myy:0.14; Mzz:0.92; Mxy:1.30; Fault plane solution: M2:2.46000x10^15 Np1:37.77000; 830.70000; 1.109.56000. NP2:3195.32000; 861.25000; 1.78.76000. Principal axes: T 2.4090, Plg17.0000, Azm80.0000; N 0.0937, Plg10.0000, Azm201.0000; P -2.5027, Plg16.0000, Azm294.0000;

GUC 08 03:25:6.0, 8.37:24.5; 74:06W, h28km, 6km, ML3.7 NEIC 08 03:35:26, 37:21S; 74:02W, h20km

ISC 08 03:35:24.1+0.5, 37:19S; 034:74:11W, 0:04, h10km, m82, az=128.86, mb4.2/10, Off coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BI05 Punta Hualpin, BI04 Isla Mocha, LC02 Puerto Saavedr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CANA Caviahue, ML02 Panimavida, GO05 Hualane, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BO03 Pichilemu, BO01 Tunca, LL04 Puerto Octay, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LMEL Las Melosas, MT02 Curacav, VA01 Torpederas, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H03S1 Juan Fernandez, H03S2 Juan Fernandez, H03S2 Juan Fernandez, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H03N3 Juan Fernandez, H03N1 Juan Fernandez, H03N1 Juan Fernandez, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include G007 Milladeo Hill, RTLS Leoncito, CO06 Fray Jorge, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LPAZ La Paz, ETMB Extrema, RPN Rapa Nui, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MDP Montajes des, SNA4 Sanae, SNA4 Sanae, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TXAR Lajitas Array, SOE Somerses East, GRHM Grahamstown, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LBTB Lobatse, D62A Allapat, HWUT Hardware Ranch, etc.

Table with columns: YERR, IAmB, IAmB, 03 48 42.4, etc. Rows include TORD Torodi Arr, BVAR Borovoye Array, etc.

IDC 08 03:36:55.0, 5.6, 19:97S; 179:22W, h629km, 34km, mb2.6/3, mbtmp3.5/4, Error ellipse: s-maj=173.5km s-min=27.7km az=150.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MSVF Nonsavu, WRA Warramunga Arr, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ILAR Eielson Array, AKASG Malin Array Bea, IDC 08 03:42:29.4, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include TNTI Ternate, LUWI Luwuk, APSI Ampama, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include FITZ Fitzroy Crossi, WB0 Warramunga Arr, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ENH Enshi, STKA Stephens Creek, ARMA Armidale, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SONM Songoing Array, SONM Songoing Array, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, KURBB Kurchatov Arra, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KIWB Kanaga Island, ARTI Arti, R16K Pilot Point, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ILAR Eielson Array, TRN 08 04:18:49.1, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include T1BG Guadaloupe-3, TBG Bethesda, ANBD Ansb, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

Table with columns: SDV Santo Domingo, SDV Santo Domingo, SMRC Santa Marta, etc.

ellipse: s-maj=9.0km s-min=4.5km az=89.3
NEIC 08 04:50:06.9, 1.9, 36.146N,0.06:71.07E,0.0,0.8, h125km,6km,
mb4.3/52, Error ellipse: s-maj=9.8km s-min=8.2km
az=86.0
NNC 08 04:50:07.2, 5.0, 37.03N, 70.90E, h0km, mb4.7, mpv4.5,
Error ellipse: s-maj=39.4km s-min=28.5km az=169.0
ISC 08 04:50:06.7, 0.5, 36.53N, 0.05:71.09E, 0.05, h125km, n153,
c1548/163, mb4.2/48, 8C-7D, Afghanistan-Tajikistan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: Station Name, Time, Res, ISC. Lists station names and their corresponding time and resolution values.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists seismic stations for Northern Colombia.

IDC 08 05:22:32.7, 1.9, 5.65N, 126.17E, h0km, mb3.8/5,
mbtmp3.8/5, MS2.8/1, Error ellipse: s-maj=188.3km
s-min=21.3km az=66.0, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists seismic stations for Mindanao.

IDC 08 05:37:10.5, 1.2, 37.22S, 74.00W, h0km, mb3.9/6,
mbtmp3.9/8, ML3.5/2, MS3.4/5, Error ellipse: s-maj=37.5km
s-min=18.6km az=74.0

NEIC 08 05:37:11.1, 1.1, 37.17S, 0.05:74.10W, 0.09, h10km, 2km,
mb4.4/10, Error ellipse: s-maj=13.8km s-min=7.0km
az=301.0

GUC 08 05:37:12.4, 0.6, 37.04S, 74.22W, h21km, 3km, ML4.1
ISC 08 05:37:14.8, 0.7, 37.13S, 0.05:74.04W, 0.09, h35km, n66,
c1940/62, mb4.2/10, MS3.3/4, 5C, Off coast of central Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Lists seismic stations for Chile.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like B004 La Punta, PLCA Paso Flores, PLCA Paso Flores, etc.

ICC 08 05:47:09.9±1.8, 54.799N; 167.52E, h0km, mb3.3/4, mbtmp3.5/ML2.5/1, Error ellipse: s-maj=72.0km s-min=23.0km az=169.0

KRSC 08 05:47:13.5±1.6, 54.76N; 167.18E, h38km±15km, M14.0, ISC 08 05:47:14.6±1.0, 54.39N; 167.51E±0.07, h35km, n18, r150/22, mb3.3/4, Komandorsky Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, KBG Krutoberegovo, KIRR Kirshev, etc.

NEIC 08 06:14:55.2±1.2, 19.2S; 0.2x177.6W±0.2, h548km±14km, mb4.5/19, Error ellipse: s-maj=31.2km s-min=20.3km az=205.0

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CTAO, PMG, TOO, COEN, etc.

MDD 08 06:16:09.9±1.9, 35.94N; 2.29E, h6km±5km, M4.0/20, M, mb3.3/21, Error ellipse: s-maj=7.6km s-min=4.8km az=132.0

CRAAG 08 06:16:09.3±95.96N; 2.21E, M13.5, Algeria 04km SE, Tarik-Ibn-Ziad

ICC 08 06:16:09.2±4.0, 36.22N; 2.24E, h0km, mb3.8/2, mbtmp3.6/4, M13.2/2, MS2.8/1, Error ellipse: s-maj=95.9km s-min=27.6km az=18.0

ICC 08 06:16:09.7±1.1, 35.36N; 0.03x2.22E±0.02, h13km±7km, n50, r153/67, 16C-1D, Northern Algeria

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like EDDR, EHRZ, EBJR, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PSIM, KEST, EADA, etc.

SOME 08 06:37:22.6±42.07N; 73.45E, h10km, KRNET 08 06:37:22.0±1.4, 2.11N; 73.40E, h20km, mb3.3, NNC 08 06:37:23.4±0.6, 4.2E; 17N; 73.42E, h0km, mb4.3, mpv4.0, Error ellipse: s-maj=4.9km s-min=2.8km az=7.0

KNET 08 06:37:24.0±4.2, 1.8N; 73.53E, h11km, 1km, ml2.7, Error ellipse: s-maj=2.6km s-min=1.4km az=67.0

ISC 08 06:37:22.0±1.1, 42.14N; 0.02x73.33E±0.02, h3km±9km, n74, r1939/125, 44C-22B, Kyrgyzstan

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AML, AMR, AML, etc.

2019 JAN

8d 6h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MTBS Maibute, BRLS Boroday, BTB Batken, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GAZI Gazipasa, AKMS Akamas, ALAN ALFYA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KSHT Keshet, KSHT Keshet, MMLI Mount Malkishu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes station MKAR Makanchi Array.

NEIC 08 06:50:09.9:1.2, 61.34N, 0.03:149.99W:0.04, h47km, 5km, Error ellipse: s-maj=4.2km s-min=2.0km az=155.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FIS Fire Island, FIS Fire Island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like RC01 Rabbit Creek A, RC01 Rabbit Creek A, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like M22K Willow, M22K Willow, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like M22K Willow, M22K Willow, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PMR Palmer, PMR Palmer, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GHO Glory Hole Cre, GHO Glory Hole Cre, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GHO Glory Hole Cre, GHO Glory Hole Cre, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SML Sawmill, SML Sawmill, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SKT Skwentna, SKT Skwentna, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SKT Skwentna, SKT Skwentna, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SPU Mount Spurr, SPU Mount Spurr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SGL Spurr Blockage, SGL Spurr Blockage, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GLI Glacier Island, GLI Glacier Island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like REF Redoubt East F, REF Redoubt East F, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like M20K Styx River, M20K Styx River, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WAT1 Suitna Watana, WAT1 Suitna Watana, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like O20K Slope Mountain, O20K Slope Mountain, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FID Port Fidalgo, FID Port Fidalgo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FID Port Fidalgo, FID Port Fidalgo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like P23K Montage Isan, P23K Montage Isan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like M24K Tolsona, M24K Tolsona, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ILSW Iliamna South, ILSW Iliamna South, etc.

IDC 08 06:43:57.3:1.5, 2.44N, 126.88E, h0km, mb3.6/6, mbmp3.6/6, MS2.1/1, Error ellipse: s-maj=107.9km

ISC 08 06:44:04.9:1.6, 2.33N, 0.03:126.7E:0.6, h55km, n7, r0883/6, mb3.7/5, Northern Molucca Sea

IDC 08 06:45:36.0:1.1, 35.98N, 31.85E, h3km, 1km, ML2.8/7, GII 08 06:45:37.9:0.0, 35.71N, 31.73E, h10km, Mw3.0, confirmed

ISC 08 06:45:37.4, 35.62N, 31.73E, h5km, ML3.1/38

IDC 08 06:45:32.9:3.1, 35.68N, 31.34E, h0km, mb3.6/2, mbmp3.4/4, ML3.2/2, Error ellipse: s-maj=52.8km

ISC 08 06:45:36.0:1.1, 35.98N, 31.85E, h3km, 1km, ML2.8/7, GII 08 06:45:37.9:0.0, 35.71N, 31.73E, h10km, Mw3.0, confirmed

ISC 08 06:45:37.4, 35.62N, 31.73E, h5km, ML3.1/38

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Bear Paw Mtn, Kilae Creek, N18K, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Steele Glacier, YUK8, YUK9, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Jimani, Masc, Bahía de las A, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CERRO LA CRUZ, Vizcacheras, San Esteban, etc.

ASRS 08 07:03:07.0:1.2,53:75N:91:03E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 08 07:03:13.3:4.0,53:54N:90:95E, h0km, mbtmp2.7/3, ML2.3/3, Error ellipse: s-maj=39.5km s-min=26.8km az=27.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ZALESOVO INFRA, ZALV, ZALZ, etc.

IDC 08 07:06:05.0:4.0,7.35:85N:26:05E, h0km, mb3.8/10, mbtmp3.8/17, ML3.7/7, MS3.2/9, Error ellipse: s-maj=17.9km s-min=11.2km az=141.0

MCSM 08 07:06:07.8:0.8,36:N:4.2:6E, h10km,6km,mb4.1, mB5.2,MLv4.1,Mw(mB)4.7

NEIC 08 07:06:07.8:2.1,35:88N:0:06:25:98E:0:05, h10km,1km, mb4.2/9, Error ellipse: s-maj=10.2km s-min=6.7km az=355.0

ATH 08 07:06:08.6:36:10N:25:94E, h17km,2km,ML3.9/6, Error ellipse: s-maj=2.3km s-min=0.8km az=312.0

ISK 08 07:06:08.9,35:85N:26:02E, h20km,ML3.8/38 AFAD 08 07:06:09.1,35:69N:26:21E, h7km,5km, MW4.1

THE 08 07:06:09.5,36:04N:25:94E, h24km,2km,ML4.0/11, Error ellipse: s-maj=2.7km s-min=0.8km az=320.0

HLW 08 07:06:09.3,35:98N:26:31E, h10km,3.3km,ML3.8

ISC 08 07:06:08.1:1.0,36:00N:0:02:25:96E:0:02, h14km,7km, n170, s147/209, mb3.9/13, MS3.3/4, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Santorini-Mono, Thir, Thira Island, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like APE Apeiranthos, NISIR Nisiroi, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TIP Timpagrande, CEL Celeste, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like FORT Forrest, BBOO Bucklebo, etc.

ISN 08 07:59:07.5:1.3,34°15'N:45°60'E,h19km,12km,ML3.0
TEH 08 07:59:07.0:34°13'N:45°61'E,h9km,30km
ISC 08 07:59:06.9:1.0,34°13'N:04°45'60E:0.05,h10km,n12,
c091/16,Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Gilan-e-Gharb, Ghadr-e-Shirin, Iliam Banvizeh, etc.

IDC 08 08:12:13.4:1.2,3°57'S:140°60'E,h0km,mb3.7/5,
mbtmp3.8/6,ML4.2/1,MS3.1/3,Error ellipse: s-maj=56.6km
s-min=10.6km az=100.0
DJA 08 08:02:16.8:0.3,31°S:3°14'E,az,h16km,8km,ML4.3/5,
mb4.3/4,MLV4.3/5

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Genji, Jayapura, Jay, etc.

ISC 08 08:18:3.0:8.3,43°S:0°06':140°30'E:0.07,h39km,n15,
c174/18,mb3.6/4,Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Warramunga Arr, WRA, CTA, etc.

AEIC 08 08:09:01.2:0.9,53°48'N:0°05':163°68'W:0.07,h43km,8km,
Error ellipse: s-maj=7.3km s-min=5.4km az=213.0
NEIC 08 08:09:01.9:0.3,53°53'N:0°06':163°64'W:0.08,
h32km,15km,ML2.5(AEIC),Error ellipse: s-maj=9.0km
s-min=5.2km az=212.0,Unimak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like WESE, ISLZ, SSSL, etc.

IDC 08 08:18:41.6:13.0,13°18'N:89°36'W,h0km,mb3.2/3,
mbtmp3.3/3,Error ellipse: s-maj=274.5km s-min=114.8km
az=6.0
SNET 08 08:18:49.2:0.9,13°22'N:90°27'W,h20km,ML3.8
CGG 08 08:18:49.6:2.6,13°28'N:90°35'W,h35km,18km,MD4.4,
Hypocentre not reviewed by the ISC

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like NUBE, LAS, etc.

CATAC 08 08:18:51.3:1.9,13°N:8°9'W:1°1',h11km,5km,M3.8/26,
MLV3.8/26,Error ellipse: s-maj=27.7km s-min=10.0km
az=59.7,confirmed
ISC 08 08:16:48.7:1.8,13°21'N:0°06':90°23'W:0.06,h15km,n11km,
n75,c1501/82,1C,Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like NUBE, LAS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ITCA, BOQS, PIC2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like RANC, VSM, BLLM, etc.

IDC 08 08:46:45.8:24.0,19°25'S:177°41'W,h380km,219km,
mb3.5/5,mbtmp4.2/5,Error ellipse: s-maj=121.5km
s-min=28.1km az=50.0
ISC 08 08:46:46.7:1.5,19°65'S:0°3':177°40'W:0.3,h400km,n8,
c05/9,mb3.7/5,Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like STKA, ASAR, WRA, etc.

DJA 08 08:56:44.6:0.5,10°S:5°10'E,h10km,M4.5/19,
mb4.9/7,mbC5.9,MLV4.4/19,MW(mB)4.9/2
NEIC 08 08:56:44.6:0.9,10°59'S:0°07':108°52'E:0.07,h10km,1km,
mb4.2/6,Error ellipse: s-maj=14.0km s-min=9.2km
az=144.0
IDC 08 08:56:44.8:1.5,10°38'S:108°62'E,h0km,mb3.9/7,
mbtmp4.0/9,ML3.7/2,Error ellipse: s-maj=68.2km
s-min=17.2km az=48.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like BVAR, AKASE, BRTR, etc.

ISC 08 08:56:44.5:0.7,10°62'S:0°07':108°46'E:0.05,h10km,n46,
c137/47,mb4.2/0,South of Java

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like XMI, XMS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like WRA, WB2, ASAR, etc.

NNC 08 08:58:56.8:0.3,43°21'N:78°67'E,h0km,mb2.8,mpv2.9,
Error ellipse: s-maj=3.5km s-min=1.3km az=174.0
SOME 08 08:58:57.8,43°20'N:78°58'E,h10km
KRNET 08 08:58:57.3:0.1,43°19'N:78°65'E,h15km,mb2.4
ISC 08 08:58:56.6:0.9,43°20'N:02°78'67'E:0.02,h16km,5km,
n37,c048/27,14C-4D,Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ZHN, ZHH, etc.

IDC 08 08:56:44.6:0.5,10°S:5°10'E,h10km,M4.5/19,
mb4.9/7,mbC5.9,MLV4.4/19,MW(mB)4.9/2
NEIC 08 08:56:44.6:0.9,10°59'S:0°07':108°52'E:0.07,h10km,1km,
mb4.2/6,Error ellipse: s-maj=14.0km s-min=9.2km
az=144.0
IDC 08 08:56:44.8:1.5,10°38'S:108°62'E,h0km,mb3.9/7,
mbtmp4.0/9,ML3.7/2,Error ellipse: s-maj=68.2km
s-min=17.2km az=48.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like KURS, PDKG, etc.

IDC 08 08:56:44.6:0.5,10°S:5°10'E,h10km,M4.5/19,
mb4.9/7,mbC5.9,MLV4.4/19,MW(mB)4.9/2
NEIC 08 08:56:44.6:0.9,10°59'S:0°07':108°52'E:0.07,h10km,1km,
mb4.2/6,Error ellipse: s-maj=14.0km s-min=9.2km
az=144.0
IDC 08 08:56:44.8:1.5,10°38'S:108°62'E,h0km,mb3.9/7,
mbtmp4.0/9,ML3.7/2,Error ellipse: s-maj=68.2km
s-min=17.2km az=48.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ARXS, ARXS, etc.

IDC 08 08:56:44.6:0.5,10°S:5°10'E,h10km,M4.5/19,
mb4.9/7,mbC5.9,MLV4.4/19,MW(mB)4.9/2
NEIC 08 08:56:44.6:0.9,10°59'S:0°07':108°52'E:0.07,h10km,1km,
mb4.2/6,Error ellipse: s-maj=14.0km s-min=9.2km
az=144.0
IDC 08 08:56:44.8:1.5,10°38'S:108°62'E,h0km,mb3.9/7,
mbtmp4.0/9,ML3.7/2,Error ellipse: s-maj=68.2km
s-min=17.2km az=48.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like KNOS, KNDC, etc.

MOS 08 09:10:23.3z 1.9, 5.4:50N:162.92E, h41km, mb4.8/31, MS4.0/6, Error ellipse: s-maj=6.6km s-min=4.2km az=87.0

KRSC 08 09:10:25.8z 0.7, 5.4:40N:162.98E, h42km, 22km, M4.8 IDC 08 09:10:25.5z 0.6, 5.4:70N:162.44E, h0km, mb4.2/24.4, mbtmp4.2/28, ML4.4/4, MS4.0/42, Error ellipse: s-maj=16.1km s-min=12.3km az=169.0

NEIC 08 09:10:27.3z 1.9, 5.4:57N:0.09:162.6E:0.1, h10km, 1km, mb4.5/131, Error ellipse: s-maj=15.8km s-min=11.6km az=146.0

ISC 08 09:10:29.1z 0.8, 5.4:51N:0.05:162.83E:0.04, h29km, 5km, m352.0, 1956/330, mb4.5/125, MS4.1/45, 14C-9D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various seismic stations and their coordinates and data.

Table with columns: Station Name, Magnitude, Depth (km), Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events with station names and their characteristics.

Table with columns: Station Name, Magnitude, Depth (km), Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events with station names and their characteristics.

NEIC 08 09:51:55.7,0.8, 19.3734N,0.005:155.06W,0.01, h9km,2km, Error ellipse: s-maj=1.6km s-min=0.5km az=116.0

HVO 08 09:51:55.6,1.1, 19.388N,0.011:155.06W,0.01, h7km,2km, ML2.6/33,ML2.6/42(NEIC), Error ellipse: s-maj=2.1km s-min=1.1km az=152.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations and their characteristics.

Main seismic event table with columns: MNAI, Manna, Magnitude, P, Pn, Time, Res, ISC. Lists seismic events with their magnitudes and arrival times.

Table with columns: SWI, Sorong, Magnitude, P, Pn, Time, Res, ISC. Lists seismic events, including those from the Sorong region.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YSS, DRV, ZAAO, ZALV, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LSZ, KBZ, KBO, KOP, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AK15, ISR, ELND, etc.

8d 10h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BI05, BI02, CP5B, DIAM, BSCB, TLIG, PLTB, etc.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WCI, TXAR, USIN, SIUC, P52A, SLBS, LUPA, P49A, FVM, FVM, MNH, OLIN, BLO, BRNJ, APMT, O53A, SN05, SSSA, TUL3, SN07, CCM, CCM, CCM, PAL, PAL, DEOK, ODSA, WMOK, WMOK, SLM, PECS, PECS, O48B, O48B, VHRN, KSCT, ALLY, ALLY, GO09, BINS, WESY, L61B, L61B, G002, WNNY, TRY, TRY, AMTX, EPT, NCB, LBNH, LBNH, LBNH, EPI, EPI, VT1, VT1, RTBA, 121A, 121A, DELO, 319A, MG03, CBKS, CBKS, CBKS, JFWS, ANMO, ANMO, ANMO, USHA, T25A, TUC, TUC, TUC, BGNE, SDCO, X18A, S22A, S22A, Q24A, Q24A, Q24A, ECSD, ECSD, ISCO, ISCO, WUAZ, N23A, N23A, N23A, PFO, PFO, PFO

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PFO, PFO, R5SD, R5SD, R5SD, R5SD, PASD, PASD, DUG, PD31, PDAR, PDAR, PDAR, CCAC, HWUT, R11B, ULM, ULM, ULM, ULM, ULM, ULM, ULM, ULM, NV11, NVAR, NVAR, NVAR, ASCN, SCH0, SCH0, SCH0, MBO, MBO, MBO, BBTS, BOZ, BOZ, PMSA, PMSA, PMSA, DLMT, MFID, EGMT, AFDM, WVOR, WVOR, WVOR, PLSD, MSO, J08A, J08A, BMO, BMO, BMO, HATC, HATC, O02D, FFC, FFC, FFC, G08A, G08A, L04D, KPMF, KPMF, E09A, M04I, M04I, M04I, J04A, J04A, I05D, G06A, G06A, F07A, NEW, NEW, NEW, I04A, C09A, K02D, E07A, H04A, MXC, HOOD, P0M0, TAOE, COR, COR, COR, B08A, LTY, D05A, GNW, NLWA, FRB

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like FRB, NRS, DBIC, NNUK, BVB, SFJD, MORF, YKAB2, YKA, PBDV, PCVE, PVAQ, ACRG, EVO, PMTG, ISOG, COI, PESTR, PPT, PPT2, ANGG, PBAR, PMRV, PVIS, PCBR, MTE, MDT, PGAV, KOTAN, PIVO, BOLA, V35K, T35M, PBRG, UMMG, CRAG, DLBC, WRAK, TORD, S34M, NUUG, ICESG, U33K, WTLY, PAB, VNA3, ESDC.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ESDC, R33M, UPNV, VNA2, Q32M, S32K, R32K, P33M, BORG, P32M, N32M, KULLO, SNA, SNA, IWE, RES, RES, WHY, SUMG, SUMG, PLBC, FARGO, M31M, O30N, P30M, N31M, R35S, TULEG, TULEG, C36M, HYT, N30M, N30M, O29M, YUK6, MAYO, GALLI, MONM, YUK4, HLM1, MFF, NEWG, KPL, PINM, SCO, SCO, SCO, H31M, M29M, O28M, J30M, YUK8, L29M, K29M, KESW, INV, NEM, I30M, G31M, EKA, F31M, YUK3, A36M, LBWR, INK, INK, BVCY, EPYK, DAWY.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like MCD, G30M, F30M, M27K, H29M, BCAR, NVL, KAIM, G29M, RAR, I28M, M26K, EGAK, BMRM, L26K, E49N, N25K, N25K, MENT, I27K, EYAK, LOR, LOR, DBG, DBG, F28M, H27K, QSPA, QSPA, HARP, HARP, SCRK, SCRK, SCRK, J26L, KLU, KLU, E28M, G27K, G27K, I26K, I26K, D28M, P23K, RIDG, PAX, M24K, GLI, KIP, KIP, E27K, E27K, K24K, SCM, J25K, J25K, D27M, D27M, BMRD, M23K, PWL, PRP, DHY, KNK, WAT6, SML, SEW, F26K, F26K, HDA, BMAR, IL31, ILAR, ILAR, ILAR, DAG, DAG, DAG, O22K, PMR, PMR, WAT1, WLF.

8d 11h

TXAR comp=Z,0.9nm,1.1s Lajitas Array 94.28 53 P P 10 44 40.8 +0.4

IDC 08 10:48:45.5-1.2,3:66S:152:25E, h0km, mb3.8/5, mbmp3.8/6, ML1.9/1, Error ellipse: s-maj=54.8km s-min=21.7km az=118.0

ISC 08 10:48:50.4-1.1,3:65:0:2:152:3E:0.3, h35km, n8, c119/9, mb3.5/5, New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, etc.

IDC 08 10:52:25.9-1.1,1:29S:13:53W, h0km, mb4.1/4, mbmp4.1/5, ML3.8/1, MS3.7/14, Error ellipse: s-maj=51.7km s-min=23.4km az=122.0

NEIC 08 10:52:27.4-2.8, 11:23S:0:09:13:74W:0.0, h10km, 1km, mb4.6/14, Error ellipse: s-maj=18.0km s-min=12.2km az=133.0

ISC 08 10:52:26.7-0.6, 11:25S:0:09:13:7W:0.1, h10km, n39, c1543/25, mb4.5/11, MS3.7/13, Ascension Island region

Main table for the left column containing station data for Ascension Island region and other stations like H10S2, H10S3, ASCN, etc.

2019 JAN

Table with columns: STKA, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Stephens Creek, BBOO, WBO, etc.

IDC 08 11:05:16.0-0.8, 10:25S:108:66E, h0km, mb4.2/12, mbmp4.2/14, ML4.1/2, Error ellipse: s-maj=44.9km s-min=13.5km az=51.0

NEIC 08 11:05:16.0-2.5, 10:53S:0:08:108:48E:0.2, h10km, 1km, mb4.7/31, Error ellipse: s-maj=13.3km s-min=3.2km az=190.0

DJA 08 11:05:18.4-1.0, 10:54:4 x 10 8E, h36km, 25km, M4.8/25, mb4.9/13, mb5:4/7, ML4.7/25, MW(mb)4.8/7

ISC 08 11:05:19.7-0.5, 10:14S:0:05:108:57E:0.05, h35km, n95, c1855/106, mb4.6/28, South of Java

Main table for the middle column containing station data for South of Java region and other stations like CMJI, XMI, etc.

Main table for the right column containing station data for various regions including Shilling, Rabaul, Songino Array, etc.

IDC 08 11:06:05.2-1.5, 36:64N:21:66E, h0km, mb3.5/4, mbmp3.4/5, ML4.1/1, Error ellipse: s-maj=84.5km s-min=25.1km az=131.0

THE 08 11:06:06.7, 37:40N:20:43E, h0km, 2km, ML3.3/9, Error ellipse: s-maj=3.1km s-min=0.9km az=233.0

ATH 08 11:06:07.8, 37:45N:20:53E, h10km, 2km, ML3.2/11, Error ellipse: s-maj=3.1km s-min=1.2km az=29.0

ISC 08 11:06:06.2-1.6, 37:39N:20:05:20:48E:0.05, h9km, 9km, n47, c9896/7, mb3.5/4, Ionian Sea

Main table for the right column containing station data for Ionian Sea region and other stations like LTHK, Kipseli, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like Xinyi Township, Chiawan, Renai, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like Neicheng, Miaoli, Nanjuang, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like NJ2, ChangSha, Wuhan, etc.

8d 12h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WB1, SEY, DRK, DZA, etc.

2019 JAN

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ANM, K13K, BELG, C16K, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like L18K, F20K, F20K, VRH, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like Atlin, Turia, Danmarks Havn, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like Wether Hill Ro, Moldova, Takapari Road, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like Crns Crni Vrh, Grafenberg Arr, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like CRNS Crni Vrh, Grafenberg Arr, etc.

ICD 08 12:26:11.8.1.4.8.50N.123:01E, h0km, mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=88.2km s-min=20.5km az=60.0

ISC 08 12:26:15.8.1.5.8.5N.0:3.123:1E.0:6, h27km, n6, c1842/6, mb3.7/6, Mindanao

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like Chiang Mai Arr, Warramunga Arr, etc.

ICD 08 12:34:37.5.1.7.2.07N.126:40E, h0km, mb3.5/5, mbmp3.5/5, Error ellipse: s-maj=116.6km s-min=21.1km az=69.0

DJA 08 12:34:42.3.1.2.0.2N.5.127E.1, h14km, 9km, M3.5/6, MLV3.5/6, Northern Molucca Tz

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like Fitzroy Crossi, Warramunga Arr, etc.

Table with columns for flight codes (e.g., SNY, KNMB, JTM), destinations (e.g., Chin-men Tao, Temabayashi), times, and status indicators (e.g., Pn, P, S).

Table with columns for flight codes (e.g., HKPS, GZH, GZH), destinations (e.g., Hong Kong Po S, Guangzhou), times, and status indicators (e.g., Pn, P, S).

Table with columns for flight codes (e.g., GUMO, GUMO, GUMO), destinations (e.g., Guam, Guiyang, Tymooskoe), times, and status indicators (e.g., P, Pmax, Pmax).

Table with columns for station code, frequency, power, and signal quality. Includes stations like SKR Severo-Kuril's, SKR KKM ZAK, IRK Irkutsk, TNCH TengChong, PEAOB Petropavlovsk, etc.

Table with columns for station code, frequency, power, and signal quality. Includes stations like MA2 Magadan, MA2 Mapaga, MA2 Mapaga, MA2 Mapaga, etc.

Table with columns for station code, frequency, power, and signal quality. Includes stations like PBA Port Blair, PBA Pangkajene, PBA Zalesovo, etc.

ASHO	Ashiyiah	65.72 285	i P	P	12 50 11.7	-1.0
MSVF	Nonsavu	65.85 130	P	P	12 50 13.4	0.0
MSVF	comp-Z,95nm,1.1s				12 50 30.6	
MSVF	Nonsavu	65.85 130	LR	IAmb	13 17 40.1	
MSVF	Nonsavu	65.85 130	eP	P	12 50 16.0	+2.5
MSVF	comp-Z,103nm,1.3s					
MSVF	Nonsavu	65.85 130	P	P	12 50 16.9	+3.5
MSVF	Faro, Yukon	65.87 31	pP	sP	12 50 29.1	+1.9
FARO	Faro, Yukon	65.87 31	P	IAmb	12 50 13.8	+0.8
FARO	comp-Z,111nm,0.9s				12 50 41.0	
SIT	Faro, Yukon	65.87 31	P	P	12 50 14.1	+1.1
ARQ	Aragi	65.88 284	P	P	12 50 13.5	-0.1
ARQ	SNR=55				12 50 13.5	-0.1
ARQ	SNR=55				12 50 13.5	-0.1
ARQ	SNR=55				12 58 56.4	-2.4
ARQ	SNR=55				12 58 56.4	-2.4
ARQ	SNR=55				12 58 56.4	-2.4
HSPB	Hornsund (broa	65.90 347	eP	P	12 50 12.8	0.0
NAZ	Nazwa, Dubai	65.92 286	P	P	12 50 13.8	-0.1
NAZ	SNR=45				12 50 13.8	-0.1
NAZ	SNR=45				12 50 13.8	-0.1
NAZ	SNR=45				12 58 58.3	-0.9
NAZ	SNR=45				12 58 58.3	-0.9
NAZ	SNR=45				12 58 58.3	-0.9
HUZ	Nazwa, Dubai	65.92 286	iP	P	12 50 12.8	-1.1
HUZ	SNR=25				12 50 13.1	0.0
Hualalai	comp-Z,16um,21.0s				13 14 30.5	
S31K	Pelican	65.94 36	P	IAmb	12 50 13.1	-0.3
S31K	comp-Z,123nm,1.2s				12 50 52.2	
S31K	Pelican	65.94 36	P	P	12 50 14.4	+1.0
AKT	Akhty	65.95 305	eP	P	12 50 13.1	-0.9
AKT	comp-Z,342nm,0.9s				12 50 43.1	
AKT	comp-Z,345nm,0.8s				12 52 39.7	
AKT	comp-N,185nm,0.9s				12 54 12.8	
AKT	comp-E,184nm,0.8s				12 59 01.3	+1.9
AKT	comp-N,163um,2.2s					
AKT	comp-E,132um,1.8s					
AKT	comp-E,28um,21.0s					
AKT	comp-Z,41um,23.0s					
R31K	City Hall, Gus	66.03 35	P	P	12 50 15.5	+1.5
FUTU	Fuzatoga	66.07 125	IAMS_20	IAMS_20	13 14 33.3	
FAQ	AI Faqa, Dubai	66.08 286	P	P	12 50 14.7	-0.3
FAQ	SNR=37				12 50 14.7	-0.3
FAQ	SNR=37				12 59 00.2	-1.0
FAQ	SNR=37				12 59 00.2	-1.0
FAQ	SNR=37				12 59 00.2	-1.0
POHA	Pohakuloa	66.17 80	P	P	12 50 16.1	+0.3
POHA	comp-Z,22um,20.0s				13 14 26.5	
MGCD	Mangrove Creek	66.17 162	P	P	12 50 17.4	+2.3
ALNE	AI Ain	66.23 285	P	P	12 50 15.7	-0.2
ALNE	SNR=94				12 50 15.7	-0.2
ALNE	SNR=94				12 50 15.7	-0.2
ALNE	SNR=94				12 59 00.6	-2.4
ALNE	SNR=94				12 59 00.6	-2.4
ALNE	SNR=94				12 59 00.6	-2.4
ALNE	SNR=94				12 59 00.6	-2.4
HMH	Humu'ula Sheep	66.27 81	P	P	12 50 16.6	0.0
KHU	Kahuku	66.31 81	P	P	12 50 15.7	-1.0
KHU	comp-Z,446nm,1.3s				12 50 15.7	-1.0
ASUD	AI Ashush, Dub	66.35 286	P	P	12 50 16.4	-0.2
ASUD	SNR=56				12 50 16.4	-0.2
ASUD	SNR=56				12 59 02.4	-2.0
ASUD	SNR=56				12 59 02.4	-2.0
ASUD	SNR=56				12 59 02.4	-2.0
N32M	Quiet Lake	66.36 32	P	IAmb	12 50 16.3	+0.1
N32M	comp-Z,58nm,0.8s				13 19 20.0	
N32M	comp-Z,16um,21.0s				13 19 20.0	
N32M	Quiet Lake	66.36 32	P	P	12 50 17.5	+1.3
KEV	Kevo	66.37 338	P	IAmb	12 50 14.7	-1.3
KEV	comp-Z,103nm,0.9s				12 50 28.1	
KEV	Kevo	66.37 338	P	P	12 50 14.7	-1.3
KEV	Kevo	66.37 338	P	P	12 50 15.2	-0.8
MLH	Mauna Loa	66.40 81	P	IAmb	12 50 17.0	-0.4
BESE	Bessie Mountai	66.42 35	P	IAmb	12 50 15.6	-1.0
BJO1	Bjornoya	66.43 344	eP	P	12 50 16.6	+0.3
BJO1	comp-Z,8um,4.9s				12 50 24.4	
BJO1	comp-Z,8um,4.9s				12 59 05.3	+1.4
BJO1	comp-Z,8um,4.9s				13 03 29.7	+1.0
BJO1	comp-Z,8um,4.9s				13 23 18.2	
DQM	DQM	66.45 280	P	P	12 50 16.5	-0.8
DQM	DQM	66.45 280	P	P	12 50 16.5	-0.8
DQM	DQM	66.45 280	P	P	12 59 04.7	-1.0
DQM	DQM	66.45 280	P	P	12 59 04.7	-1.0
UWE	Uwekahuna	66.51 81	IAMS_20	IAMS_20	13 14 56.8	
YNG	Young	66.53 165	P	P	12 50 18.7	+1.3
YNG	comp-Z,0.0nm,comp-Z,358nm,0.8s				12 50 16.5	-0.8
YNG	Young	66.53 165	P	P	12 50 18.9	+1.5
VRH	Novokhoporsk	66.53 317	P	P	12 50 16.2	-1.1
HATHI	Halema'uma'u T	66.54 81	IAMS_20	IAMS_20	13 15 09.5	
BYL	Byron's Ledge	66.55 81	IAMS_20	IAMS_20	13 15 00.6	
HLP	Hilina Pali	66.56 81	P	P	12 50 16.5	-1.6
HLP	comp-Z,16um,19.0s				13 18 42.9	
PUH	Pauahi	66.60 81	P	P	12 50 19.6	+1.7
P32M	Atlin	66.61 34	P	IAmb	12 50 17.7	-0.1
P32M	comp-Z,15um,19.0s				13 21 20.9	
P32M	Atlin	66.61 34	P	P	12 50 19.6	+1.7
KNHH	Kane Nui o Ham	66.64 81	P	P	12 50 17.7	-1.0
AJN	Ajban	66.66 286	P	P	12 50 18.0	-0.6
AJN	SNR=56				12 50 18.0	-0.6

AJN	SNR=56				12 50 18.0	-0.6
AJN	SNR=56				12 59 07.0	-1.1
AJN	SNR=56				12 59 07.0	-1.1
AJN	SNR=56				12 59 07.0	-1.1
AJN	SNR=56				12 59 17.1	-1.5
STCH	Steam Cracks	66.67 81	P	P	12 50 17.4	-1.5
R32K	Eaglecrest	66.69 35	P	IAms_20	13 14 50.0	
C36M	Paulatuk	66.71 22	P	P	12 50 17.8	-0.3
C36M	Paulatuk	66.71 22	P	P	12 50 18.6	+0.4
SIT	Sitka	66.71 36	P	IAmb	12 50 17.0	-1.3
SIT	comp-Z,150nm,1.2s				12 50 37.6	
SIT	Sitka	66.71 36	P	P	12 50 19.4	+1.0
SIT	Sitka	66.71 36	P	P	12 50 24.0	+5.7
SIT	Sitka	66.71 36	P	P	12 50 17.0	-1.3
SIT	comp-Z,150nm,1.2s					
SIT	comp-Z,12um,20.0s				MLR	MLR
JIS	Juneau Island	66.75 35	P	P	12 50 23.5	+4.9
JOKA	Jonika Flow	66.75 80	P	IAmb	12 50 18.0	-1.3
JOKA	comp-Z,190nm,1.3s				12 50 43.3	
JOKA	comp-Z,19um,21.0s				13 11 51.1	
P33M	Teslin, Yukon	66.81 33	P	IAmb	12 50 19.6	+0.5
P33M	comp-Z,102nm,1.1s				12 50 48.0	
P33M	comp-Z,19um,22.0s				13 18 53.1	
P33M	Teslin, Yukon	66.81 33	P	P	12 50 20.3	+1.2
NOR	Nord	66.85 355	iP	IAmb	12 50 18.5	-0.4
ARAO	ARCESS Array S	66.94 338	eP	IVmB_BB	12 50 19.3	-0.4
ARAO	comp-Z,5um,4.5s				12 50 31.5	
ARAO	comp-Z,25um,16.8s				12 59 05.3	-5.0
ARAO	comp-Z,25um,16.8s				13 03 37.5	+9.3
ARCES	ARCESS Array B	66.94 338	P	IAmb	12 50 19.4	-0.3
ARCES	comp-Z,145nm,1.2s				12 50 31.3	
ARCES	ARCESS Array B	66.94 338	P	P	12 50 18.3	-1.3
ARCES	comp-Z,7.5nm,0.5s,baz=41,slow=3.9				LR	LR
ARCES	comp-Z,59um,18.1s,baz=61,slow=41				13 25 28.4	
ARCES	comp-Z,7.5nm,0.5s					
ARCES	ARCESS Array B	66.94 338	P	P	12 50 19.4	-0.3
S32K	Killinoo	66.94 36	P	IAmb	12 50 18.6	-1.2
S32K	comp-Z,94nm,1.3s				12 50 40.6	
S32K	Killinoo	66.94 36	P	P	12 50 21.3	+1.5
ALE	Alert	66.94 2	P	P	12 50 19.6	+0.1
HAMP	Hammerfest	67.01 340	eP	IVmB_BB	12 50 18.7	-1.3
HAMP	comp-Z,8um,4.6s				12 50 40.0	
HAMP	comp-Z,27um,20.9s				12 59 05.3	-5.7
HAMP	comp-Z,27um,20.9s				13 24 14.8	
MOS	Moscow	67.24 322	eP	P	12 50 19.4	-2.3
MOS	comp-Z,300nm,0.9s				12 50 31.3	
MOS	comp-Z,354nm,0.9s				12 50 47.2	
MOS	comp-N,200nm,0.9s				12 54 23.6	
MOS	comp-E,100nm,0.9s				12 59 12.1	-2.1
MOS	comp-E,182nm,0.9s				12 59 34.5	
MOS	comp-E,40um,16.0s				13 00 15.0	
MOS	comp-Z,300nm,0.9s					
MOS	comp-Z,354nm,0.9s					
MOS	comp-N,200nm,0.9s					
MOS	comp-E,100nm,0.9s					
MOS	comp-N,202nm,0.9s					
MOS	comp-E,182nm,0.9s					
MOS	comp-N,25um,16.0s					
MOS	comp-E,40um,16.0s					
MOS	comp-Z,51um,16.0s					
UMZA	Um Al Zommoel	67.28 284	P	P	12 50 21.9	-0.6
UMZA	comp-Z,131nm,1.5s				12 50 21.9	-0.6
UMZA	comp-Z,131nm,1.5s				12 59 16.5	+0.8
UMZA	comp-Z,131nm,1.5s				12 59 16.5	+0.8
UMZA	comp-Z,131nm,1.5s				12 59 16.5	+0.8
SGF	Sodankyl	67.51 336	P	P	12 50 24.7	+1.5
JOF	Joesuus	67.53 331	eP	P	12 50 22.8	-0.7
Q32M	Nakina River	67.53 34	P	IAms_20	13 24 08.3	
Q32M	comp-Z,12um,19.0s				13 24 08.3	
Q32M	Nakina River	67.53 34	P	P	12 50 25.2	+1.4
CAN	Canberra	67.65 164	P	P	12 50 23.4	-1.1
CAN	comp-Z,0.0nm,comp-Z,110nm,1.6s				12 50 25.4	+0.8
CAN	Canberra	67.65 164	P	P	12 50 27.8	+3.3
CAN	Canberra	67.65 164	P	P	12	

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like OXZ Oxford, SVA Sopron, BORG Borgarnes, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like RAR Rarotonga, UPM Unac-Piva, SOKA Sobot, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like LAWE Loch Ave, ESK Eskdalemuir, BHOH Bhou, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like Goldstone, Michaelchurch, Narsarsuaq, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like X16A, BRIGG Briggsdale, F33A, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like NOKA, L42A, ESDC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Singaraja, Jajag, Banyuwya, Asem Bagus, Maumere, etc.

JMA 08 12:41:37.20.1, 40.2N:02.140.6E:0.2, h10km, MV0.7/18, NORTHERN AKITA PREF, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Hinai, Noshirotokiwa, Kuzumaki, etc.

ICD 08 13:00:24.5:3.2, 9:53S:112.71E, h0km, mb3.6/5, mbtmp3.6/6, ML3.2/1, Error ellipse: s-maj=162.6km

DJA 08 13:02:30.8:0.3:10.0S:3.113E:1, h10km, M4, 1.20, 4.3/2, MLV4, 0.50

ISC 08 13:00:30.2:1.0, 9.69S:0.09:112.79E:0.06, h36km, n24, 4:1871/25, mb3.9/5, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUMUKMAS, Jajag, Banyuwya, Pagerwojo, etc.

WRA Warramunga Arr 23.16 119 P 13 05 33.8 +0.1

ASAR Alice Springs 24.49 127 P 13 05 48.0 +1.8

SONM Songoing Array 57.55 355 P 13 10 15.0 -1.2

MKAR Makanchi Array 62.48 337 P 13 10 48.6 -1.3

ZALV Zalesovo Beam 67.68 343 P 13 11 21.6 -1.8

HEL 08 13:01:17.9:0.1, 63.94N:20.47E, h0km, ML1.3, Explosion

DNK 08 13:01:17.6:0.4, 63.91N:20.51E, h0km, ML2.7(UPP), Explosion

UPP 08 13:01:17.2:0.1, 63.91N:20.51E, h0km, ML2.7, Unknown

ISC 08 13:01:17.0:0.8, 63.91N:0.02:20.49E:0.02, h0km, n34, 4:0584/45, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Umeaa, Stanfors, Burvik, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VAF, LILU, Lillaerak, etc.

ICD 08 13:14:33.3:4.5, 17.58S:174.97W, h170km, 40km, mb3.4/8, mbtmp3.9/9, Error ellipse: s-maj=40.2km s-min=18.7km

ISC 08 13:14:31.2:0.9, 17.75S:0.2:174.9W:0.1, h150km, n16, 4:143/0

ISC 08 13:10:10.0:0.7, 17.75S:0.2:174.9W:0.1, h150km, n16, 4:143/0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSVF, STKA, WRA, ASAR, QSPA, NVAR, TXAR, PDAR, ILAR, etc.

ICD 08 13:14:58.9:1.1, 17.63S:174.69W, h0km, mb3.9/6, mbtmp3.9/6, Error ellipse: s-maj=52.7km s-min=27.8km

ISC 08 13:15:10.0:1.0, 17.65S:0.3:174.9W:0.3, h150km, n7, 4:0467/7, mb3.6/6, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, QSPA, NVAR, PDAR, ILAR, etc.

ICD 08 13:21:05.8:1.3, 17.18S:175.11W, h0km, mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=53.6km s-min=31.3km

ISC 08 13:21:05.8:1.3, 17.18S:175.11W, h0km, mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=53.6km s-min=31.3km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, QSPA, ILAR, PDAR, etc.

RSNC 08 13:44:18.3:0.0, 5.2N:2.76W:1, h49km, 4km, M1.6, ML1.6, Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PLMC, CBOC, GUY2C, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BARC, VMM09, BRJC, etc.

ICD 08 13:48:40.1:1.3, 33.82N:141.69E, h0km, mb3.3/5, mbtmp3.3/6, ML2.6/1, Error ellipse: s-maj=39.3km s-min=22.7km az=71.0

JMA 08 13:48:44.7:0.6, 34.1N:1.142E:1, h37km, 3km, MV3.1/24, FAR SE OFF BOSO PEN

ISC 08 13:48:42.7:1.1, 34.01N:0.07:141.76E:0.09, h21km, n15, 4:186/19, mb3.4/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BSO1, BSO3, JKUC, etc.

GUC 08 14:02:33.9:0.8, 35.00S:73.02W, h35km, 3km, ML3.6

ISC 08 14:02:30.3:1.9, 34.98S:0.04:73.06W:0.07, h5km, n11km, n35, 4:195/58, SC-1D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GO05, BO03, BO03, etc.

8d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Catapilco, Olivares, Bocatonra, San Esteban, Agrelo, CERRO ARCO, Usपालता, Salagasta, Leonicito, Cerro Coronel, Valle Fertil, GUANDACOL.

DJA 08 14:14:04.25:0.3, 7.3'Sx:10'6"E, h74km, 5km, M3.8/13, mbmp3.9/2, MLV3.8/13, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Sukabumi, Cibinong, Serang, Cibinong, Lembang, Cimera, Mandra Dua, Manna, Semarang, Pacitan.

IDC 08 14:14:46.4:1.2, 17.75Sx:174.63W, h0km, mb4.1/9, mbtmp4.1/9, Error ellipse: s-maj=33.3km s-min=20.7km az=143.0

NEIC 08 14:14:50.3:1.6, 17.5S:0.1x:174.77W:0.08, h10km, 1km, mb4.0/28, Error ellipse: s-maj=17.2km s-min=13.1km az=165.0

ISC 08 14:14:49.0:0.5, 17.6S:0.1x:174.75W:0.09, h10km, n58, c123/55, mb4.5/23, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Afiamalu, Niue, Nonsavu, Pamatia, Papee.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Quartz Rayer, Lake Taylor, Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Alice Springs, Alice Springs, ASAR, ASAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kunumura, Fitzroy Crossi, South Pole Qui, South Pole Qui.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Petropavlovsk, Petropavlovsk, NVAR, NVAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like North Rim, U15A, M17K, M17K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Granite Mounta, L18K, L18K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Anvik River, J18K, J18K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Nome, Van Horn, VHRN, VHRN.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Lajitas Array, M27K, M27K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like 4UR Ranch, S22A, S22A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Wood River, BCAR, G19K, CCB, H21K, H21K.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Sand Creek, PDAR, PDAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Keskin Array S, Keskin Array B, Keskin Array B, Keskin Array B.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Torodi Ar, Torodi Ar, Torodi Ar, Torodi Ar.

SJA 08 14:17:11.3:0.6, 22.71S:66.16W, h436km, 5km, ML4.3, MW4.1

VAO 08 14:17:16.6:2.8, 21.83S:72.54W, h60km, 25km, mb4.6

NEIC 08 14:17:59.6:1.0, 21.73S:0.05:68.71W:0.09, h128km, 5km, mb4.2/5, Error ellipse: s-maj=12.6km s-min=7.1km az=84.0

GUC 08 14:17:59.8:0.7, 21.74S:68.70W, h127km, 3km, ML4.0

IDC 08 14:18:02.7:4.1, 21.61S:68.37W, h147km, 36km, mb3.6/5, mbtmp4.0/6, Error ellipse: s-maj=39.8km s-min=35.0km az=152.0

ISC 08 14:17:58.4:0.7, 21.75S:0.03:68.74W:0.05, h129km, 6km, n68, c193/78, mb3.9/5, 5C, Chile-Idolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P.

IDC 08 14:17:56.4:1.2, 30.68N:102.94E, h0km, mb3.5/5, mbtmp3.5/6, Error ellipse: s-maj=73.0km s-min=20.1km az=59.0

ISC 08 14:18:01.8:1.3, 30.57N:109.102:7E:0.2, h35km, n6, c1980/7, mb3.6/5, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Chiang Mai Arr, Makanchi Array, Makanchi Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kurbb, Kurbb, Kurbb.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BVAR, BVAR, BVAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, WRA, WRA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR, ASAR, ASAR.

ISC 08 14:18:33.1:1.2, 61.42N:0.03:141.05W:0.04, h6km, 11km, n16, c056/29, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moose Creek, Moose Creek, Moose Creek.

IDC 08 14:19:22.7:2.3, 2.33N:126.24E, h0km, mb3.3/3, mbtmp3.3/3, Error ellipse: s-maj=200.0km s-min=28.5km az=65.0, Northern Malokka Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Warramunga Arr, Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR, ASAR, ASAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Makanchi Array, Makanchi Array, Makanchi Array.

IDC 08 14:29:30.6:1.7, 18.99N:121.29E, h47km, 17km, mb3.9/24, mbtmp4.1/27, ML4.0/3, MS4.2/2, Error ellipse: s-maj=17.2km s-min=9.9km az=83.0

NEIC 08 14:29:30.4:1.6, 19.07N:106.121:04E:0.09, h37km, 7km, mb4.6/58, Error ellipse: s-maj=12.0km s-min=8.7km az=90.0

ISC 08 14:29:28.0:0.3, 19.02N:0.05:121.13E:0.07, h39km, n111, c098/118, mb4.5/50, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Beinan, Beinan, Beinan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Beinan, Beinan, Beinan.

Table of astronomical observations for 2019 JAN, including columns for object name, magnitude, position, and other parameters. Objects include INU, JGF, MAJO, MJAR, KULM, FAKI, USRK, SONM, KNRA, FITZ, MBWA, PSAO, WBO, WRA, AS31, ASAR, PEAO, PETK, ZALV, AAK, KURK, KURB, GAR, MORW, BVAR, BRVK, BBOO, STKA, NRK, BILL, ABKAR, AKTO, ARTI, JOHN, ANM, L14K, N15K, E19K, H19K, L18K, J20K, ILSW, D23K, K24K, E23K, C24K, F24K, RND, KEV, F25K, ILAR, C27K, BMAR, ARCES, D27M, FINES, VRDI, BRTR, BCAR, TNKZ, AKASG.

Table of astronomical observations for 2019 JAN, including columns for object name, magnitude, position, and other parameters. Objects include BKZ, L29M, BFZM, EUNU, WHY, C36M, HFS, NOA, DLBC, RES, YKA, EKA, QSPA, TXAR, ROSC, IDC 08 14:46, FSA, AHML, AHML, AACL, AACL, AGUA, AGUA, I14CL, I20EC, I13CL, IDC 08 14:46, FITZ, WRA, ASAR, MKAR, IDC 08 14:48, TNTI, SANSI, SANSI, FITZ, WRA, ASAR, MKAR, IDC 08 14:49, BUII, RSNC, GCMT, IDC 08 14:49, CODE, NIUE, AFI, MSVF, MSVF, RAR, RAR, DZM, DZM, DZM, DZM, DZM.

Table of astronomical observations for 2019 JAN, including columns for object name, magnitude, position, and other parameters. Objects include UNTC, ORNZ, TOZ, BOZ, PPT2, PPT2, PPT, PPT, MRZ, SNZO, ORZ, TUWZ, HNR, HNR, LTZ, LTZ, INZ, ARMA, ARMA, TAOE, CTA, PMG, PMG, PMG, TOO, COEN, STKA, STKA, WRB, WRAB, WRA, WRA, AS31, ASAR, ASAR, MTN, KNRA, FITZ, SOEI, SOEI, RPN, PSAO, WFSI, MJAR, SHEM, TGY, QSPA, PETK, LPIG, YSS, PFO, YBH, LEM, NVAR, NVAR, KSRS, KSRS, USRK, SMAI, SMAI, NJ2, NJ2, PLID, PLID, J18K, PMSA, CN2, CN2, N25K, N25K, TXAR, TXAR, ANMO, NEW, WHN, MENT, H19K, DLBC, USHA, SEY, H03S2, H03S1, H03S3, PDAR, PDAR, H03N2.

8d 15h

Table of radio stations with columns for call sign, name, frequency, and other details. Includes stations like Juan Fernandez, Bozenan, College, HeiHe, Eielson Array, etc.

2019 JAN

Table of radio stations with columns for call sign, name, frequency, and other details. Includes stations like Berggiesshubel, Dobruska-Polom, Steborice, etc.

500

Table of radio stations with columns for call sign, name, frequency, and other details. Includes stations like Borovoye Array, Abkax Akkax, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like KNRA, RKPI, SANI, etc.

JMA 08 15:22:20.0, 1.30, 6N, 0.3, 131.2E, 0.7, h30km, MD3.7/39, MV3.6/Near TANEGASHIMA ISLAND

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like JTN, JMN, JMTN, etc.

NNC 08 15:32:07.0, 2.0, 6.42, 95N, 78.36E, h0km, mb2.5, mpv2.9, Error ellipse: s-maj=6.1km s-min=1.9km az=172.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like UZB, KPKS, PDGK, etc.

IDC 08 15:37:39.0, 1.0, 2.05, 08N, 141.94E, h0km, mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=53.4km s-min=23.1km

IDC 08 15:45:36.5, 2.3, 5.3, 57N, 163.83W, h0km, mb3.8/13, mbmp3.8/15, ML3.0/2, Error ellipse: s-maj=58.3km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like WESE, SSSL, WECS, etc.

IDC 08 15:45:44.1, 0.5, 5.3, 88N, 0.0, 0.7, 163.90W, 0.0, 6, h25km, 15km, mb3.7/5, ML3.9/10, ML3.7(AEIC), Error ellipse: s-maj=11.5km s-min=0.9km az=155.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like SP1A, CHIR, CHIR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like L14K, O18K, M16K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Ar, SONM Songoing Array, KURBS Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TA01 Diego Aracena, TA02 Huaiquique, GO01 Chuzmiza, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRAB Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

IDC 08 15:46:45.4, 2.2, 56S, 99.68E, h0km, mb3.5/5, mbmp3.5/5, Error ellipse: s-maj=172.0km s-min=23.0km az=56.0

IDC 08 16:17:58.8, 1.3, 19.35S, 169.71E, h0km, mb4.1/5, mbmp4.1/7, ML4.4/2, MS3.3/1, Error ellipse: s-maj=36.2km s-min=25.6km az=154.0

IDC 08 16:18:02.1, 1.1, 19.5S, 0.1x169.8E, 0.1, h17km, 5km, mb4.6/13, Error ellipse: s-maj=19.6km s-min=10.0km az=134.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PPSI Pulau Pagai, SISI Saibi, PPI Padang Panjang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, DZM Nonsavu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like G30M TAOH Zraii Jnj, G30M TAOH Zraii Jnj, ABKAR Abkulak array, etc.

IDC 08 16:05:52.4, 1.3, 2.26N, 127.07E, h0km, mb3.4/5, mbmp3.5/5, Error ellipse: s-maj=103.9km s-min=19.6km az=74.0

IDC 08 16:20:09.0, 0.5, 34.12N, 45.53E, h6km, 6km, ML2.9, TEH 08 16:20:11.1, 34.11N, 45.56E, h10km, 638km

IDC 08 16:58:07.0, 1.4, 37.51N, 20.74E, h45km, 20km, mb3.3/8, mbmp3.5/13, MS3.7/1, MS3.5/2, Error ellipse: s-maj=18.3km s-min=10.6km az=13.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, KMSI Sangihe, GSGI Cibirong, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, MTN Mantou Dam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NAPP Napperby, WHYH Whyalla, AUJCS Jamestown Cent, etc.

SJA 08 16:09:42.0, 0.7, 21.64S, 69.09W, h95km, 4km, ML3.6, MW3.8

IDC 08 16:25:27.0, 0.8, 28.91N, 142.53E, h0km, mb3.9/15, mbmp3.8/17, ML3.4/2, Error ellipse: s-maj=21.5km s-min=11.6km az=85.0

IDC 08 16:58:02.8, 1.2, 37.41N, 0.03x20.80E, 0.03, h11km, 8km, n58, 19.008/11, mb3.5E, Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, PB01 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KCHF Cheshme Sefid, IKRK Kirkuk, IKFM Katar-mosalmal, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LTHK Lithakia, LTHK Lithakia, LTHK Lithakia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FSK Fiskardo, EVGI Lefkada island, NYDR Nydri-Lefkada, etc.

IDD 08 17:13:47.6:1.4,2.54N:126.99E,h0km,mb3.5/6, mbtmp3.5/6, Error ellipse: s-maj=104.4km s-min=17.4km az=71.0

DJA 08 17:13:53.2:1.2,2.54N:127.7E,h14km,12km,M4.0/12, mb5.3/1,mb4.3/2,MLV3.8/12,Mw(mb)4.8/1

ISC 08 17:13:55.2:1.0,2.42N:108.1267E:0.1,h55km,n10, c=95/11,mb3.6/5,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SGSI Sangihe, TINTI Ternate, SANI Sanana, etc.

IDD 08 17:17:16.0:7.5,4.22S:158.75E,h0km,mb3.9/4, mbtmp3.9/4, Error ellipse: s-maj=167.3km s-min=54.5km az=5.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, VNSA Vanda, WBSI Waikabukua, etc.

IDD 08 17:27:30.4:0.7,39.28N:72.66E,h0km,mb4.0/21, mbtmp4.0/29,ML3.5/8,MS2.9/1, Error ellipse: s-maj=12.9km s-min=10.2km az=143.0

KRNET 08 17:27:30.9:0.1,39.42N:72.70E,h16km,mb4.1

SOME 08 17:27:31.2:1.2,39.77N:72.35E,h10km

MOS 08 17:27:31.2:1.2,39.39N:72.59E,h12km,mb4.3/8, Error ellipse: s-maj=7.2km s-min=3.9km az=77.4

NEIC 08 17:27:33.1:3.0,39.43N:0.05:72.56E:0.02,h10km,1km, mb4.5/22, Error ellipse: s-maj=7.9km s-min=3.1km az=2.0

NNC 08 17:27:33.1:3.0,39.83N:72.62E,h0km,mb4.6,mpv4.3, Error ellipse: s-maj=11.3km s-min=7.2km az=168.0

ISC 08 17:27:32.5:1.1,39.36N:0.03:72.56E:0.02,h12km,7km, n211,a2814/254,mb4.2/35,48C-28D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DRK Karamyk, ARK Arkit, KSH Kashi, etc.

MRKS Merke, comp=E,292nm,0.5s

MRKS Merke, comp=E,221nm,0.7s

MRKS Merke, comp=E,292nm,0.5s

MRKS Merke, comp=E,221nm,0.7s

EKSZ Erkin-Say, comp=E,138nm,0.5s

EKSZ Erkin-Say, comp=E,138nm,0.5s

EKSZ Erkin-Say, comp=E,138nm,0.5s

EKSZ Erkin-Say, comp=E,138nm,0.5s

AAK Ala-Archa, comp=E,200nm,0.3s,baz=185,slow=5.9,SNR=361

AAK Ala-Archa, comp=E,170nm,0.3s,baz=343,slow=19.9,SNR=21

AAK Ala-Archa, comp=E,137nm,18.1s,baz=268,slow=42

AAK Ala-Archa, comp=E,138nm,0.5s

AAK Ala-Archa, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CHMS Chumysh, ULHL Ulahol, ULHL Ulahol, etc.

IDD 08 17:27:30.4:0.7,39.28N:72.66E,h0km,mb4.0/21, mbtmp4.0/29,ML3.5/8,MS2.9/1, Error ellipse: s-maj=12.9km s-min=10.2km az=143.0

KRNET 08 17:27:30.9:0.1,39.42N:72.70E,h16km,mb4.1

SOME 08 17:27:31.2:1.2,39.77N:72.35E,h10km

MOS 08 17:27:31.2:1.2,39.39N:72.59E,h12km,mb4.3/8, Error ellipse: s-maj=7.2km s-min=3.9km az=77.4

NEIC 08 17:27:33.1:3.0,39.43N:0.05:72.56E:0.02,h10km,1km, mb4.5/22, Error ellipse: s-maj=7.9km s-min=3.1km az=2.0

NNC 08 17:27:33.1:3.0,39.83N:72.62E,h0km,mb4.6,mpv4.3, Error ellipse: s-maj=11.3km s-min=7.2km az=168.0

ISC 08 17:27:32.5:1.1,39.36N:0.03:72.56E:0.02,h12km,7km, n211,a2814/254,mb4.2/35,48C-28D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TARG Taragay, MTBS Maitube, KRBS Karabastau, etc.

MRKS Merke, comp=E,292nm,0.5s

MRKS Merke, comp=E,221nm,0.7s

MRKS Merke, comp=E,292nm,0.5s

MRKS Merke, comp=E,221nm,0.7s

EKSZ Erkin-Say, comp=E,138nm,0.5s

EKSZ Erkin-Say, comp=E,138nm,0.5s

EKSZ Erkin-Say, comp=E,138nm,0.5s

EKSZ Erkin-Say, comp=E,138nm,0.5s

AAK Ala-Archa, comp=E,200nm,0.3s,baz=185,slow=5.9,SNR=361

AAK Ala-Archa, comp=E,170nm,0.3s,baz=343,slow=19.9,SNR=21

AAK Ala-Archa, comp=E,137nm,18.1s,baz=268,slow=42

AAK Ala-Archa, comp=E,138nm,0.5s

AAK Ala-Archa, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

DZA Taraz, comp=E,137nm,0.4s

8d 17h

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KOKPEK, UZB, ARXS, SHLS, BLB, PDGK, DJR, DHRM, BHK, OTUK, MK31, MKAR, KURBB, KURK, WMQ, AB31, AKTO, ZAAO, ZALV, GOMU, ARTI, WSAR, GTA, GNI, BELG, KBZ, SONM, TNCH, ULN, BR131, BRTR, CMAR.

2019 JAN

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like CMAR, NRK, NRK, PHRA, AKASA, MLR, FIAT, FINES, ARCES, PUK, HEH, YAK, HFS, BRG, GERES, KHC, NC303, NOA, NC204, BFO, SENIN, JMC, EKA, ESDC, C23K, TORD, E19K, F19K, TOLK, G21K, ILAR, M17K, KNRA, DBIC, KDAK, YKA, YKA, WRA, ASAR, FFC, GUC, BI04, BI05, LC02, LR03, LR04, GO06, LR05, MT01, VA05, MT09, MT12, MT13, MT15, DJA, NEIC, IDC, SJA.

504

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MSAI, NLA, SAUI, SOEI, SANI, BATI, BATI, BAKI, KDI, MMRI, MMRI, MMRI, KMPI, SWI, DRS, MTN, MTN, KDU, RKPI, BASI, WBSI, KNRA, PLAI, PLAI, TOLIZ, TWSI, FITZ, FITZ, FITZ, WBO, WRA, WRA, WRA, WRA, AS31, ASAR, ASAR, ARMA, ARMA, CAN, SONM, PETK, MKAR, MKAR, KDJ, KDJ, QSPA, QSPA, BOS, BOS, TINTI, SGSI, KMSI, SANI, MRSI, LUWI, SWI, WRA, WRA, ASAR, ASAR, CMAR, STKA, USRK, SONM, MKAR, KURBB, BVAR.

GUC 08 17:59:06.7,0.8,32.09S;-71.82W,h24km,4M,ML3.9
ISC 08 17:59:03.7,1.3,32.12S;0.02;-71.91W,0.04,h10km,8km,
n110,0.1s;93/153,mb4.3/6,8C-8D,Near coast of central
Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded events.

Table with columns: LCO, AC05, MLO2, RFA, etc. Lists seismic stations and their recorded events.

ISC 08 18:09:06.1,7.3,37.5;0.1;146.4E;0.3,h20km,n9,0.075/7,
mb3.7/5,Bismarck Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded events.

Table with columns: STKA, MKAR, KURBB, BVAR, ILAR. Lists seismic stations and their recorded events.

DJA 08 18:22:27.5,0.2,0.0;S;2.12E;h,44km;12km,M4,4/23,
mB5.4/4,mb4.4/12,MLV4.2/3,Mw(MB)4.8/4
ISC 08 18:22:26.6,1.1,1.0,28S;0.06;122.99E;0.06,h78km,n27,
0.17/22.2B,Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded events.

UPP 08 18:23:38.5,0.1,6.7;05N;20.97E,h0km,ML2.2,Unknown
IDC 08 18:23:40.1,0.9,67.01N;21.36E,h0km,mbtmp3.7/3,
ML2.2/4,Error ellipse: s-maj=16.9km s-min=7.7km
az=101.0

HEL 08 18:23:41.7,0.2,66.98N;121.37E,h0km,ML2.2,Explosion
ISC 08 18:23:38.9,0.7,67.05N;0.02;-21.00E;0.03,h0km,n50,
0.1938/70,Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded events.

8ed 18h
FINES FINESSE Array B 6.04 156 Pn Pn 18 25 10.1 +0.7
comp=Z:0.1nm,0.3s,baz=345,slow=12,SNR=8.0

IDC 08 18:38:51.8,2.1,2.61N,126.92E,h0km,mb3.2/4, mbmp3.3/4, Error ellipse: s-maj=121.9km s-min=27.1km az=69.0

DJA 08 18:38:56.8,0.4,2.1'N,5.1'127E, h10km,M3.2/7,MLV3.2/7
ISC 08 18:38:58.3,2.3,2.6N,0.3,127.0E,0.9,h53km,n5,c1950/5, mb3.1/3, Northern Molucca Sea

Code Station Name Az AZ Phase ID Time Res
TNTI Ternate 1.84 170 P Pn 18 39 27.1 -0.4
FITZ Fitzroy Crossi 2.01 184 P P 18 43 33.3 +0.1

IDC 08 18:46:24.8,1.6,4.27S,133.83E,h0km,mb3.5/1, mbmp4.1/7,ML4.1/5,MS2.7/1, Error ellipse: s-maj=32.5km s-min=26.2km az=66.0

DJA 08 18:46:27.8,4.1,3.3' S,3.1' 134E, h11km,3km,M4.3/13, mb5.0/3,mb4.5/7,MLV4.2/13,MWmb4.3/3, ISC 08 18:46:26.0,0.7,4.19S,0.05,133.90E,0.06,h10km,n31,c1979/35,Irian Jaya region

Code Station Name Az AZ Phase ID Time Res
KMPI Kaimana, Papua 0.56 340 P S P 18 46 37.7 +0.8
FKFI Fak Fak 2.08 307 P S Pn 18 47 01.3 +0.4

Code Station Name Az AZ Phase ID Time Res
KMPI Kaimana, Papua 0.56 340 P S P 18 46 37.7 +0.8
FKFI Fak Fak 2.08 307 P S Pn 18 47 01.3 +0.4

Code Station Name Az AZ Phase ID Time Res
COEN Coen 13.34 137 P Pn 18 49 33.3 -2.2
PMG Port Moresby 14.14 112 P Pn 18 49 46.9 +0.4

NEIC 08 18:53:36.5,2.3,18.09S,010:17.461W,0:08,h10km,1km, mb4.9/67, Error ellipse: s-maj=17.0km s-min=12.6km az=163.0

IDC 08 18:53:36.3,0.7,17.73S,174.78W,h0km,mb4.1/13, mbmp4.1/14,ML4.6/1,MS4.0/52, Error ellipse: s-maj=34.1km s-min=16.5km az=147.0

GCMT 08 18:53:40.5,0.2,17.75S,0:02:174.46W,0:01,h12km, MW5.0/90, Moment Tensor Solution, s44,c57; s90,c135; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=3.49e-17; Mw=0.46e-12; Mww=0.03e-11; Mw=1.48e-34; Mw=0.64e-08; Mw=0.17e-25; Best double couple: M3.5940/0.1016; NP1=176.00000; S46.00000; lambda=117.00000; NP2=9.3200000; S50.00000; lambda=65.00000; Principal axes: T 3.1860, Plg2.0000; Azm104.0000; N 0.8140, Plg19.0000; Azm195.0000; P -4.0030, Plg71.0000; Azm9.0000; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 08 18:53:36.2,0.4,18.04S,0:09:174.58W,0:07,h10km, n173,c1940/130,mb4.8/45,MS4.1/49,Tonga Islands

Code Station Name Az AZ Phase ID Time Res
NIUE Niue 4.54 104 Op Pn 18 54 44.0 -0.9
AFI Afiamalu 4.91 34 Pn Pn 18 54 49.9 -0.3

2019 JAN

HNR Honiara 26.15 286 LR LR 19 07 51.2
LTZ Lake Taylor 27.08 202 P IAmB 19 09 11.1 -1.9
ARMA Armidale 33.06 242 P IAmB 19 00 11.6 -0.6

2019 JAN

ANMO Albuquerque 83.35 50 P IAmB 19 06 03.7 -0.3
ANMO Albuquerque 83.35 50 LR 19 06 13.1
NEW Newport 83.51 35 LR 19 34 18.1

8d 21h

Table with columns: ZHN, Station Name, Time, Res, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ZHN, ZHINISHE, KURS, ERKIN-SAY, AML, AML, KOKPEK, KURS, UZB, ARXAS, MRKS, SALK, SHLS, PDGK, ARSB, KNOB, SFK, BTLS, DJR, KKK31, MK31, MK31, KURK, IDC 08 19:41:39.7, BATI, FITZ, WRA, ASAR, ASAR, ASAR, PMG, CTA, STKA, STKA, KRSR, ASAJ, SONM, MKAR, KURBB, BVAR, EIL.

IDC 08 19:41:39.7, 1.1, 8.18S, 130.86E, h0km, mb4.0/5, mbmp3.9/9, ML3.6/4, MS3.3/7, Error ellipse: s-maj=42.3km s-min=19.6km az=76.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BATI, FITZ, WRA, ASAR, ASAR, ASAR, PMG, CTA, STKA, STKA, KRSR, ASAJ, SONM, MKAR, KURBB, BVAR, EIL.

IDC 08 19:50:26.5, 37.91N, 30.86E, h4km, ML3.4/4 AFAD 08 19:50:26.2, 37.93N, 30.85E, h7km, ML2.0, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ISP, ISP, AFYN, AFYN.

2019 JAN

Table with columns: YVAC, BCK, BASM, KZIL, BRDR, SHUT, DOGA, KURO, UCKU, SEDI, SEDI, SEYD, BYAT, KDHN, KDHN, KDHN, KONT, KONT, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like YVAC, BCK, BASM, KZIL, BRDR, SHUT, DOGA, KURO, UCKU, SEDI, SEDI, SEYD, BYAT, KDHN, KDHN, KDHN, KONT, KONT.

SJA 08 20:13:20.7, 0.7, 32.05S, 72.55W, h14km, ML3.4, MW3.8 GUC 08 20:13:27.5, 0.9, 32.09S, 71.89W, h30km, 3km, ML3.5

ISC 08 20:13:21.8, 1.5, 32.08S, 0.02, 72.16W, 0.06, h8km, 10km, n37, c132/64, 1C-2D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like YAO6, CO04, CO04, VA01, ROCH, FIOCH, VA03, VA03, PEL, PEL, VA05, CO03, CO03, CO03, MT05, MT05, MT10, MT10, MT14, MT14, MT16, MT16, MT01, MT09, MT09, MT03, MT03, FCH, FCH, FCH, MT12, MT12, MT12, MT04, MT04, GO04, GO04, GO04, GO04, MT08, MT08, CO05, BO04, AUSP, LMELE, LMELE, BO03, BO01, BO01, CO01, ARCO, ARCO, ASAL, ASAL, BO02, BO02, AAGR, AAGR, AROD, AROD, AROD, ACCO, ACCO, ACCO, RTLL, RTLL, VCA.

IDC 08 20:35:34.2, 61.0, 21.61S, 176.45W, h0km, mb4.1/3, mbmp4.1/3, Error ellipse: s-maj=1132.0km s-min=171.5km az=85.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, Phase ID, Time, Res, ISC.

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Table with columns: STKA, ASAR, WRA, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STKA, ASAR, WRA.

DNK 08 20:41:10.5, 3.6, 7.47N, 141.65W, h36km, 43km, ML1.1 BER 08 20:41:32.4, 0.5, 7.029N, 141.07W, h0km, 999km, mb(Pn)3.1, ML2.2, Confirmed Earthquake, Jan Mayen Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMI, JMI, JMIC, JMIC, JNE, JNE, JNW, JNW, JNW, SCO, SCO, DBG, DBG, DBG.

AFAD 08 20:48:18.8, 38.73N, 30.40E, h7km, 3km, ML1.4, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KURO, KURO, KURO, AFYN, AFYN, AFYN, BYAT, BYAT, KZIL, KZIL, KZIL, YVAC, YVAC, YVAC, UCKU, UCKU, PASA, PASA, PASA, BRDR, BRDR.

IDC 08 20:53:58.1, 1.2, 8.20S, 130.64E, h0km, mb3.7/4, mbmp3.8/8, ML3.8/4, MS3.2/1, Error ellipse: s-maj=41.8km s-min=20.3km az=75.0

ISC 08 20:54:02.4, 1.1, 8.33S, 0.08, 130.5E, 0.1, h35km, n9, c185/12, mb3.6/4, Tanimbar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BATI, BATI, FITZ, FITZ, WRA, WRA, ASAR, ASAR, ASAR, PMG, STKA, STKA, SONM, MKAR, KURBB.

DNK 08 21:05:42.2, 1.1, 7.135N, 125.55W, h36km, 999km, ML0.9 BER 08 21:05:52.6, 0.7, 7.039N, 125.11W, h3km, 999km, mb(Pn)2.9, ML1.8, Confirmed Earthquake

ISC 08 21:05:41.0, 1.9, 71.5N, 0.2, 142.1W, 0.2, h10km, n8, c252/13, Jan Mayen Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMI, JMI, JMI, JMIC, JMIC, JNE, JNE, JNE, SCO, SCO, SCO, DBG, DBG, DBG, DAG, DAG, DAG.

IDC 08 21:15:55.3, 1.3, 2.41N, 126.99E, h0km, mb3.6/8, mbmp3.6/8, Error ellipse: s-maj=76.5km s-min=17.1km az=69.0

DJA 08 21:16:01.2, 0.3, 2.14N, 12.7E, h10km, M3.8/12, mb3.9/2, MLV3.8/12

ISC 08 21:16:02.3:1.0,2.4N,0.1:127.0E,0.1,h53km,n12,
c1509/12,mb3.6/7,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, KM51 Cibirong, SANI Sanana, etc.

IDC 08 21:33:53.4:1.6,12.56S;75.66W,h0km,mb3.6/2,
mbtmp3.7/3,ML3.7/1,MS3.2/1,Error ellipse:
s-maj=45.8km s-min=15.1km az=25.0,Central Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NNA Nana, ATAH Atahualpa, YKA Yampunk, etc.

KRNET 08 21:43:15.3:0.1,40.33N;71.42E,h20km,mb3.2
SOME 08 21:43:17.2,40.52N;71.47E,h5km
NNC 08 21:43:19.5:1.3,40.34N;71.80E,h0km,mb3.8,mpv3.5,
Error ellipse: s-maj=10.0km s-min=5.4km az=11.0

ISC 08 21:43:17.1:1.2,40.29N;0.03:71.38E,0.03,h3km,n11km,
n54,c3507/65,34C-11D,Tajikistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BTK Batken, DRK Karamyk, OHH Osh, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AML Alamyashu, ARL Aral, MRKS Merke, etc.

DGS 20nm,0.8s 4.41 47 eP Pb 21 45 31.6

Table with columns: DGS, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DGS Degeres, KRBS Karabastau, MTBS Matibute, etc.

IDC 08 22:26:26.1:1.5,32.96N;90.92W,h0km,mb3.6/2,
mbtmp3.6/8,ML3.7/6,MS2.8/1,Error ellipse: s-maj=39.0km
s-min=9.3km az=160.0
NEIC 08 22:26:31.5:0.8,33.23N;0.02:90.93W,0.05,h5km,2km,
mb3.7/4,mb,Lg3.9/51,Mw3.7/18,Md3.3/39(SLM),Error
ellipse: s-maj=7.5km s-min=3.0km az=57.0, Moment
Tensor Solution. Moment tensors: Scale 10^14 Nm;
M1:1.05; M2:4.11; M3:-3.07; M4:0.39; M5:1.88; M6:0.92;
Fault plane solution: Mw4.27000x10^14 NP1:
e1=120.41000°,p1=873.92000°,n1=7.54000°. NP2:e2=212.51000°,
p2=76.000°,n2=163.79000°. Principal axes: T 4.6407,
P1g6.0000°,Azm346.0000°,N -0.8755,Plg72.0000°,
Azm236.0000°,P -3.7652,Plg17.0000°,Azm77.0000°;
NEIC 08 22:26:31.4,33.22N;90.94W,h5km
SLM 08 22:26:33.1:0.8,33.20N;0.03:90.93W,0.04,h16km,8km,
Error ellipse: s-maj=5.7km s-min=3.2km az=50.0

ISC 08 22:26:30.1:0.7,33.22N;0.05:90.88W,0.05,h10km,n88,
c1527/79,Mississippi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CCAR Cane Creek, VBMS Vicksburg, WLAB White Oak Lake, etc.

comp=Z,276nm,0.8s 3.96 321 Iamb_Lg 22 28 46.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HHAR Hobbs, TREL Terrell, SWEL Seawhee, etc.

SJA 08 22:32:53.6:1.3,20.58S;69.79W,h32km,3km,ML4.3,
MW4
NEIC 08 22:32:54.8:1.4,20.58S;0.02:69.79W,0.04,h28km,8km,
mb3.6/6,Error ellipse: s-maj=6.1km s-min=2.2km az=94.0
GUC 08 22:32:56.0:0.8,20.59S;69.79W,h24km,4km,ML4.3
IDC 08 22:32:59.3:3.7,20.64S;69.58W,h71km,31km,mb3.3/4.5,
mbtmp3.7/6,ML3.6/1,MS3.3/4,Error ellipse: s-maj=31.5km
s-min=27.3km az=75.0
VAO 08 22:33:07.2:0.7,20.11S;68.93W,h99km,5km,mb4.1
ISC 08 22:32:54.4:0.8,20.58S;0.02:69.79W,0.03,h32km,6km,
n73,c1923/86,mb3.8/5,MS3.2/3,2C-4D,Northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TA01 Diego Aracena, TA02 Huaiquique, PB01 IPOC Station P, etc.

8d 23h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like G001 Chusmiza, PB09 IPOC Station P, AP01 Chacalluta, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like HEH DZM, PETK Petropavlovsk, CMAR Chiang Mai Arr, etc.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like PMG Port Moresby, CTA Charters Towers, DZM Mont Dzumac, etc.

NEIC 08 22:33:17.2, 1.2, 12.03N, 0.08:143.9E, 0.1, h10km, 1km, mb4.7/28, Error ellipse: s-maj=20.1km s-min=9.0km az=123.0

IDC 08 22:33:21.9, 2.1, 12.11N, 143.82E, h50km, 20km, mb3.9/15, mbtmp4.2/15, MS3.4/7, Error ellipse: s-maj=23.0km s-min=14.8km az=110.0

ISC 08 22:33:19.0, 0.5, 12.05N, 0.07:143.89E, 0.08, h26km, n57, 0592.56, mb4.5/35, MS3.5/7, 1D, South of Mariana Islands

KRSC 08 22:46:17.5, 1.2, 54.94N, 164.69E, h40km, 28km, MI3.7, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like BKI Bering, BKTR Klyuboberegovo, KLY Klyuchiki, etc.

IDC 08 22:47:29.0, 6.5, 8.16S:155.52E, h0km, mb3.8/3, s-min=81.0km az=11.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

IDC 08 23:15:10.4, 3.1, 3.12S:134.87E, h0km, mb3.5/2, mbtmp3.6/3, ML3.2/1, Error ellipse: s-maj=142.3km s-min=29.9km az=78.0, Irian Jaya region

DJA 08 23:18:15.0, 0.7, 5.7N, 7.12E, h466km, 8km, M4.5/13, mb4.4/13, mb4.9/7, MLV4.1/13, MW(MB)4.2/7

IDC 08 23:18:16.4, 0.8, 5.24N:124.21E, h494km, 8km, mb3.4/15, mbtmp4.3/17, Error ellipse: s-maj=25.7km s-min=7.7km az=65.0

NEIC 08 23:18:17.4, 1.7, 5.21N, 0.10:124.1E, 0.1, h495km, 9km, mb4.2/9, Error ellipse: s-maj=16.6km s-min=11.4km az=49.0

ISC 08 23:18:16.5, 0.6, 5.20N:0.06:124.10E, 0.08, h493km, 7km, n100, 0180/112, mb4.2/7, I, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like SGSI Sangihe, DAV Davao City (W), DAV Davao City (E), etc.

Table of seismic events with columns for station name, time, magnitude, depth, and location. Includes stations like EIDS, HHC, HEH, DZM, LEM, MBWA, PSA00, PZH, PETK, CMAR, STKA, BBOO, FORN, SONM, SONM, SONM, GTA, MORW, RTZ, BKZ, MK1, MKAR, MAK2, L14K, ZALV, ZALV, ZALV, K15K, J16K, N17K, KURK, KURK, KURB, L18K, KSH, KSH, KDAK, N19K, G18K, G18K, J19K, G19K, CNPM, E19K, NRIK, D19K, D19K, NIL, CAST, ARSB, H21K, B20K, B20K, PWL, D22K, D22K, E22K, E22K, KKAR, M24K, E23K, E23K, IL31, IL31, ILAR, ILAR, G24K, G24K, BVAR, BRVK, BRVK, D24K, D24K, J25K, C24K, C24K, SIMJ, KBL, KBL, E25K, D25K, D25K, BMAR, F26K.

Table of seismic events with columns for station name, time, magnitude, depth, and location. Includes stations like BCAR, G31M, G31M, ABKAR, ABKAR, BBB, YBH, YKA, LTY, LTY, NEW, NEW, NEW, ARCES, NVAR, PFO, FINES, PDAR, PDAR, BRTR, LPIG, TXAR, TORD, LPAZ, TORD, LPAZ, GGMT, TRN, ANBD, ANBD, MBWH, MBWH, MBFL, TBG, ANWB, ANWB, DSLB, MDN, MDN, SKI, ILAM, BIM, BIM, SLBI, SLAC, SLAC, TAN, SBV, SBV, OPO, FIRI, FIRI, MDSM, MDSM, DGRM, DGRM, DGRM, IDC, ASAR, WRA, AEIC, NEIC, Code, Station Name, Phase ID, Time, Res.

Table of seismic events with columns for station name, time, magnitude, depth, and location. Includes stations like UNAL, UNAL, MSW, MSW, OKMO, OKMO, CHGN, CHGN, P06K, P06K, IDC, DJA, ISC, Code, Station Name, Phase ID, Time, Res. Includes specific event details like NEIC 09 01:45:58.2, UUSS 09 01:45:58.6, and NEIC 09 01:46:07.8.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ORTC, APAC, PLMIC, etc.

NEIC 09 03:26:41.2,0.8,7.33S,0.1,124.8E,0.2,h450km,12km, mb4.3/10, Error ellipse: s-maj=29.0km s-min=14.5km az=67.0

IDC 09 03:26:42.5,2.5,7.63S,124.43E,h476km,35km,mb2.9/1, mbtmp4.0/5, Error ellipse: s-maj=108.5km s-min=21.9km az=55.0

DJA 09 03:27:11.8,2.7,8.56,124.4E,1.6,h155km,41km,M3.4/6, MLV3.4/6

ISC 09 03:26:40.8,0.7,7.33S,0.09,124.9E,0.1,h450km,t27, c651/27,mb4.3/5,Banda Sea

Main table section 1 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SOEI, MMRI, BBSI, etc.

IDC 09 03:48:28.2,0.4,0.66S,151.56E,h0km,mb3.6/4, mbtmp3.5/4,MS2.21, Error ellipse: s-maj=69.3km s-min=29.4km az=121.0, New Britain region

Main table section 2 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG, WRA, ASAR, etc.

DNK 09 03:50:49.2,8.2,8.78,99N,3.14E,h36km,45km,ML1.1 BER 09 03:50:49.1,2.9,78.96N,3.46E,h10km,mb(Pn)3.3, Confirmed Earthquake

FCIAR 09 03:50:50.0,79.37N,5.12E,h10km,station ZF12 has station magnitude of 3.70 station OMEGA has station magnitude of 3.60

ISC 09 03:50:43.6,0.8,78.97N,0.07,2.85E,0.03,h10km,n16, c356/27,1C,Greenland Sea

Main table section 3 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KBS, WRA, SPAA, etc.

NEIC 09 03:54:17.9,1.7,9.82N,0.09,126.1E,0.2,h10km,1km, mb4.4/12, Error ellipse: s-maj=31.5km s-min=14.4km az=86.0

IDC 09 03:54:17.1,0.9,10.13N,126.22E,h0km,mb3.9/16,

mbtmp3.9/16,MS3.3/5, Error ellipse: s-maj=31.9km s-min=19.6km az=71.0

ISC 09 03:54:17.9,0.7,10.00N,0.1,126.1E,0.2,h10km,n34, c106/27,mb4.0/22,MS3.3/3,Mindanao

Main table section 4 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TGY, GUMO, IPM, etc.

WBO Warrunganga Arr 30.65 164 P P 04 00 30.1 -2.7

WRA Warrunganga Arr 30.80 165 P P 04 00 36.3 +2.3

WB2 Warrunganga Arr 30.81 165 P P 04 00 32.2 -1.9

ASAR Alice Springs 34.28 167 P P 04 01 06.5 +1.9

USA0B USSuriyik Arr 34.51 8 P P 04 01 06.5 +0.3

USRK USSuriyik Arr 34.51 8 P P 04 01 05.9 -0.3

SONM Songino Array 41.24 340 P P 04 02 03.5 +0.3

PEAOB Teopetrovsk-TOO 50.01 24 P P 04 03 11.5 -0.9

MK31 Makanchi Array 51.26 323 P P 04 03 29.6 +0.9

ZALV Zalesovo Beam 54.00 332 P P 04 03 48.0 0.0

AAK Ala-Archa 55.41 315 LR P 04 29 12.2

KURKB Kurchatov 56.21 326 P P 04 03 58.8 +0.7

KURBB Kurchatov 56.21 326 P P 04 03 58.8 +0.6

BVAR Borovoye Array 61.81 326 P P 04 04 37.3 +0.3

ABKAR Akbulak array 66.98 319 P P 04 05 11.2 +0.3

ILAR Eielson Array 79.81 26 P P 04 06 25.9 -0.4

SPITS Spitsbergen Arr 84.28 349 P P 04 06 49.3 -0.3

ARCES ARCESS Array B 84.42 340 P P 04 06 50.3 -0.1

FINES FINESS Array B 86.07 332 P P 04 06 58.6 -0.1

AKASG Malin Array Be 86.68 321 P P 04 07 01.4 -0.6

YKA Yellowknife Arr 94.13 24 P P 04 07 37.4 +0.8

IDC 09 04:01:19.4,1.5,28.90N,141.11E,h0km,mb3.6/4, mbtmp3.5/5,ML2.4/1, Error ellipse: s-maj=58.8km s-min=29.1km az=75.0, Bonin Islands region

Main table section 5 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MJAR, WRA, KURBB, etc.

BUI 09 04:33:36.4,28.26N,140.99E,h185km,mb4.8/17, mb4.8/56

MOS 09 04:33:37.6,0.9,28.23N,140.53E,h174km,mb4.7/33, Error ellipse: s-maj=11.2km s-min=5.0km az=109.2

NEIC 09 04:33:38.1,9.28,20N,0.08,140.75E,0.09, h170km,8km,mb4.7/69, Error ellipse: s-maj=11.6km s-min=10.8km az=111.0

NIED 09 04:33:38.8,28.23N,141.17E,h184km,ML6.6, Moment Tensor Solution. s3 Moment tensor: Mw4.105/NM; Mw=5.05; Mw=2.54; Mw=7.59; Mw=0.45; Mw=5.00; Mw=3.00; Fault plane solution: M6.8,37000x10^15 NP1; N=124.00000°, S=347.00000°, T=143.00000°, Np2:37.00000°, S64.00000°, T=49.00000°

JMA 09 04:33:38.8,28.23N,141.17E,h184km,4km,MD4.4/37, MV4.9/37, NEAR CHICHIJIMA ISLAND

IDC 09 04:33:42.2,1.3,28.24N,140.50E,h203km,10km, mb4.1/27,mbtmp4.6/31,MS2.8/2, Error ellipse: s-maj=12.1km s-min=8.9km az=93.0

ISC 09 04:33:36.5,0.3,28.30N,0.04,140.72E,0.06,h150km, n302,c1992/317,mb4.6/112,14C-14D,Bonin Islands region

Main table section 6 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CBIJ, CJJ, etc.

Main table section 7 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like INU, JGF, etc.

MJAR comp=E,19nm,0.8s,baz=174,slow=29,SNR=4.9

MAJO Matushiro 8.49 346 P P 04 35 39.0 +2.5

MAJO Matushiro 8.49 346 P P 04 35 39.7 +3.3

MAJO Matushiro 8.49 346 P P 04 35 38.9 +2.5

MJB9 Matsu-Tunnel 8.50 346 P P 04 35 40.0 +3.5

MARURI Marururi 9.55 0 P P 04 35 51.2 +0.9

JMM Marumori 9.55 0 P P 04 35 51.4 +1.1

JNU Nakatsue 9.74 302 P P 04 35 57.0 +3.9

JNU Nakatsue 9.74 302 P P 04 35 58.0 +5.0

JNU Nakatsue 9.74 302 P P 04 36 00.9 +7.9

JSD Naganigami 11.14 265 LR P 04 35 56.4 +0.9

JTM Tenmabayashi 12.47 1 P P 04 36 30.1 +1.4

ERM Erimo 13.83 8 P P 04 36 48.1 +2.0

TJN Tajon 13.83 8 P P 04 36 48.1 +2.0

TJN Tajon 13.86 309 P P 04 36 53.1 +3.1

TJN Tajon 13.86 309 P P 04 36 47.4 +0.9

KSRS Korea Array 14.10 314 P P 04 36 54.0 +1.4

KSRS Korea Array 14.10 314 P P 04 36 54.0 +1.4

KSAR Wonju Array B 14.11 314 P P 04 36 54.0 +1.4

KS19 Wonju Array Si 14.16 314 P P 04 37 03.1 +1.0

INCN Incheon 14.95 311 P P 04 37 06.3 +4.6

INCN Incheon 14.95 311 P P 04 37 03.1 +1.0

JKA Kamikawa-Asahi 15.86 5 P P 04 37 14.2 +2.2

ASAJ Asahikawa 15.86 5 P P 04 37 14.3 +2.3

ASAJ Asahikawa 15.86 5 P P 04 40 01.3 -6.6

MSHR Mys Shulitsa 16.23 334 P P 04 37 17.0 +0.9

TEY Ternei 17.03 350 P P 04 37 27.5 +2.0

USA0B USSuriyik Arra 17.35 339 P P 04 37 30.5 +1.2

USA0B USSuriyik Arra 17.35 339 P P 04 37 30.5 +1.2

USA0B USSuriyik Arra 17.35 339 P P 04 37 30.1 +0.8

USRK USSuriyik Arr 17.35 339 P P 04 37 30.0 +1.0

NACB Ninganchiao 17.64 261 P P 04 37 33.8 +0.8

NACB Ninganchiao 17.64 261 P P 04 37 34.3

YHNB Yeheng 17.69 263 P P 04 37 34.3 +1.9

YULB Yu-li 18.15 259 P P 04 37 39.7 +0.6

YULB Yu-li 18.15 259 P P 04 37 41.6 +2.5

SSLB Ssanglung 18.32 260 P P 04 37 42.5 +1.5

SSLB Ssanglung 18.32 260 P P 04 37 43.9 +2.8

TWG Pinglang 18.54 257 P P 04 37 43.8 +2.2

MDJ Mudanjiang 18.56 334 P P 04 37 44.1 +0.5

YSS Yuzhno-Sakhal 18.70 4 P P 04 37 44.9 -0.3

YSS Yuzhno-Sakhal 18.70 4 P P 04 37 44.0 +0.9

YSS Yuzhno-Sakhal 18.70 4 P P 04 37 47.0 +1.8

Dalian 19.07 309 P P 04 37 49.2 +2.0

NJ2 Nanjing 19.27 287 P P 04 37 52.9 +0.8

Shenyang 19.42 319 P P 04 37 52.8 +1.7

Shenyang 19.42 319 P P 04 37 52.8 +1.7

Changchun 19.75 326 P P 04 37 57.8 +0.2

BinXian 20.35 332 P P 04 38 02.0 +1.0

Uglegorsk 20.78 2 eP P 04 38 10.0 +0.2

TYV Tyumovskoe 22.59 3 eP P 04 38 25.7 +1.6

GRNR Gornyy 22.68 353 P P 04 38 27.4 +2.3

Wuhan 23.06 282 P P 04 38 30.5 +1.7

HongShan 23.61 299 P P 04 38 33.2 -0.5

Heihe 24.16 339 P P 04 38 39.3 +0.8

LuoYang 24.86 292 P P 04 38 45.7 +0.6

Severo-Kuril's 25.22 23 P P 04 38 58.5 +1.0

Severo-Kuril's 25.22 23 P P 04 39 57.5

Severo-Kuril's 25.22 23 P P 04 44 26.5 -2.7

Hailar 26.41 328 P P 04 38 59.2 +0.2

Hailar 26.41 328 P P 04 39 00.1

Hailar 26.41 328 P P 04 38 59.9 +1.0

Hailar 26.41 328 P P 04 38 59.2 +0.2

Hu-ho-hao-te 26.95 305 P P 04 39 05.0 +1.0

HHC 27.27 282 P P 04 39 06.4 +2.5

Enshi 27.27 282 P P 04 39 09.2 +0.7

Zeya 27.28 342 P P 04 39 08.1 +1.5

Zeya 27.28 342 P P 04 39 08.1 +1.5

Xi'an 27.74 290 P P 04 39 11.3 +0.3

Guiyang 30.24 275 P P 04 39 33.4 0.0

Lanzhou 32.02 294 P P 04 39 49.5 +0.6

Magadan 32.02 10 P P 04 39 50.4 +2.0

Ulaanbaatar 32.56 316 P P 04 39 53.6 +0.1

Ulaanbaatar 32.56 316 P P 04 39 53.4 -0.1

Enshi 32.95 316 P P 04 39 56.2 -0.7

Enshi 32.95 316 P P 04 39 56.2 -0.7

Yakutsk 34.52 351 P P 04 40 11.5 +1.4

Yakutsk 34.52 351 P P 04 40 11.2 +1.2

Yakutsk 34.52 351 P P 04 40 50.7 +5.8

Yakutsk 34.52 351 P P 04 41 31.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Hayfield, Barrett, EML, PLM, TKX, etc.

IDC 09 06:09:00.2, 2.3, 0.99S, 127.25E, h0km, mb3.2/3, mbmp3.3/3, MS2.5/1, Error ellipse: s-maj=177.4km s-min=28.3km az=66.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Labuna, Ternate, SANI, etc.

IDC 09 06:25:08.0, 3.3, 53.40N, 87.43E, h0km, mbmp2.5/2, ML2.2/2, Error ellipse: s-maj=30.8km s-min=16.1km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like ZALESOVO INFRA, ZALV, etc.

IDC 09 06:25:40.8, 4.2, 23.94S, 177.83W, h0km, mb3.9/3, mbmp3.9/3, Error ellipse: s-maj=175.7km s-min=49.0km az=147.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Stephens Creek, ASAR, WRA, etc.

JMA 09 06:34:54.3, 0.2, 35.2N, 0.8, 139.4E, 0.8, h121km, 1km, MV2.6/38, SAGAMI BAY REGION

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Yokos, JOD2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Shimob, Ryogami san, etc.

UCR 09 06:46:30.2, 2.4, 4.42S, 84.74W, h1km, 999km, MW3.8 RSINC 09 06:48:09.4, 0.5, 3.1N, 4.8'W, h0km, M4.9, mb4.2, mb5.5, ML3.5, Mw(mb)4.9

ISC 09 06:47:52.9, 2.1, 3.05N, 0.09, 85.5W, 0.2, h10km, n34, r173/32, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Puerto Lopez, TURIB, etc.

IDC 09 06:49:41.4, 2.1, 35.83N, 0.10, 135.4E, 0.1, h354km, 9km, mb4.2/18, Error ellipse: s-maj=15.6km s-min=11.0km az=138.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Popayan, MCRA, etc.

JMA 09 06:49:41.6, 0.1, 35.8N, 0.7, 135.3E, 0.6, h360km, 1km, MV4.1/40, NW OFF KINKI DISTRICT

NIED 09 06:49:41.6, 35.83N, 135.31E, h360km, MW4.4, Moment Tensor Solution, s3 Moment tensor, Scale 10^15Nm; Mw=0.6; Mw=1.81; Mw=1.14; Mw=0.46; Mw=3.74; Mw=0.03; Fault plane solution: M=0.0500x10^15 NP2: q=191.00000; s84.00000; a180.00000. NP2: q=281.00000; s89.00000; a16.00000.

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

ISC 09 06:49:41.1, 0.5, 35.85N, 0.06, 135.36E, 0.05, h358km, 5km, n118, r114/131, mb3.9/29, 2C-14D, Western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Yasaka, Wachi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Kuroka, JOI, etc.

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

ISC 09 06:49:41.1, 0.5, 35.85N, 0.06, 135.36E, 0.05, h358km, 5km, n118, r114/131, mb3.9/29, 2C-14D, Western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like ShimaneMisato, TOKAI, etc.

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Ulanbator, SONM, etc.

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

IDC 09 06:49:41.5, 0.7, 35.75N, 135.35E, h363km, 7km, mb3.6/23, mbmp4.4/28, Error ellipse: s-maj=10.1km s-min=9.7km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like Kuratov, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes entries like WRA Warramunga Arr, AKTO Aktyubinsk, AS31 Alice Springs, ASAR Alice Springs, SPITS Spitsbergen Ar, FINES FINESS Array B, AKASG Malin Array B, HFS Hagfors, NOA NORSAR Array B, DLMT Dillon, NVAR Mina Array B, PDAR Pinedale Array, TXAR Lajitas Array, TORD Torodi Ar, DBIC Dimboko, GSPA South Pole Qui.

AEIC 09 06:51:39.6±2.8, 69°10'N±0.2; 144°67'W±0.08, h15km±4km, M4.5, mb4.4/14(NEIC), Error ellipse: M4.5/116(NEIC), Mw4.3/38(NEIC), NRic/MLP: s-maj=4.2km s-min=2.6km az=107.0
IDC 09 06:51:39.8±0.5, 69°31'N±1.44; 68'W, h0km, mb4.0/24, mtmtp=0.027, ML3.8/3, MS3.6/26, Error ellipse: s-maj=15.2km s-min=10.8km az=73.0
NEIC 09 06:51:40.8±2.1, 69°14'N±0.102; 144°65'W±0.04, h10km±1km, Error ellipse: s-maj=3.5km s-min=2.9km az=31.0, Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mn:0.07; Mw:-0.06; Ms:-0.01; M0:0.74; Mx:-3.85; My:1.06; Fault plane solution: M=4.06000x10^15 NP1; 0±179.13000°, 88.115000°, -14.32000°. NP2: 0±271.38000°, 87.586000°, -170.87000°. Principal axes: T 3.8313, Plg4.0000°, Azm226.0000°; N 0.4259, Plg73.0000°, Azm328.0000°; P -4.2572, Plg16.0000°, Azm135.0000°

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes entries like C27K Jago River, D25K Kavik River, C26K Camden Bay, E25K Arctic Village, E27K Coleen River, F26K Sheenjek River, D24K Happy Valley, C24K Franklin Bluff, F25K Christian River, BMAR Burnt Mountain, E24K Your Creek, E28M Babbage River, TOLK Toolik Lake Re, TOLK Toolik Lake B, D28M Stokes Point, F24K Squaw Lake, E23K Chandalar, E23K Chandalar, D23K Nanushuk River.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes entries like D23K Nanushuk River, C23K Itkillik River, F28M Old Crow, E29M Blow River, G27K Doyon Strip, FYU Fort Yukon, G24K Hadweencic Riv, G24K Hadweencic Riv, E22K Anaktuvuk Pass, E22K Anaktuvuk Pass, COLD Coldfoot, D22K Aiyikay River, H27K Steamboat Moun, G23K Bananza Creek, B22K Teshekpuk Lake, G29M Pine Creek, F30M Barrier River, H24K Noodor Dome, C21K Knifeblade Rid, PRP Porcupine Dome, I27K Kander River, H29M Whitestone, H29M Whitestone, H29M Whitestone, G30M tAoh Zraii Nji, G30M tAoh Zraii Nji, F21K Alatina River, I26K Coal Creek Min, I26K Coal Creek Min, I26K Coal Creek Min, A22K Sinclair Lake, INK Inuvik, EPYK Eagle Plains, EPYK Eagle Plains, EPYK Eagle Plains, EPYK Eagle Plains, I28M Miner Creek, I28M Miner Creek, I28M Miner Creek, H22K Ishlitalina Cre, H22K Ishlitalina Cre, POKR Pokr Plat Res, POKR Pokr Plat Res, POKR Pokr Plat Res, G21K Allakaket, F31M Tsighehtich, F31M Tsighehtich, F31M Tsighehtich, F31M Tsighehtich, D20K Etivluk River, G31M Satah River, G31M Satah River, I23K Minto, Yukon-K, I23K Minto, Yukon-K, COLA College, COLA College, IL31 Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, A21K Barrow, A21K Barrow, J25K Salcha River, J25K Salcha River, J25K Salcha River.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes entries like EGAK Eagle, F20K Avarakt Lake, J26L Joseph Creek, J26L Joseph Creek, CCB Clear Creek Bu, H21K Melozitna Riv, H21K Melozitna Riv, HDA Harding Lake, HDA Harding Lake, WRH Wood River Hill, NEA2 Nenana, NEA2 Nenana, NEA2 Nenana, D19K Kuna River, D19K Kuna River, E19K Redstone River, E19K Redstone River, I30M Mount Dempster, I30M Mount Dempster, H31M Peel River, H31M Peel River, H31M Peel River, SCRK Sand Creek, SCRK Sand Creek, SCRK Sand Creek, C19K Lookout Ridge, C19K Lookout Ridge, C19K Lookout Ridge, K24K Donnelly Dome, K24K Donnelly Dome, H20K Antolienega Mo, H20K Antolienega Mo, RIDG Independent Ri, RIDG Independent Ri, F19K Shalercuk Mo, DAWY Dawson, DOT Dot Lake, J30M Hart River, G19K Purcell Mouna, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, MCK McKinley, MCK McKinley, A19K Wainwright, A19K Wainwright, I20K Naaghdeneel, I20K Naaghdeneel, H19K Roundabout Mou, C18K Utukok River, C18K Utukok River, K29M Barlow Dome, K29M Barlow Dome, RND Reindeer, B18K Kokolik River, B18K Kokolik River, CHUM Lake Minchum, CHUM Lake Minchum, E18K Tukpahleark C, E18K Tukpahleark C, TRF Thorofore Moun, TRF Thorofore Moun, KTH Kantishna Hill, BCAR Beaver Creek A, L27K Beaver Creek, L27K Beaver Creek, DHY Denali Highway, PAX Paxson, PAX Paxson, MENT Mentasta, J20K Nowinta River, J20K Nowinta River, CAST Castle Rocks, CAST Castle Rocks, MAYO Mayo, Yukon, WAT1 Susitna Watana, WAT1 Susitna Watana, L29M L29M, L29M L29M, H18K Honhosa River, H18K Honhosa River, WAT6 Susitna Watana, WAT6 Susitna Watana, C17K DeLong Mountai, C17K DeLong Mountai, E17K Hotham Inlet, E17K Hotham Inlet, RDQG Red Dog Mine, RDQG Red Dog Mine, HARP HAARP, HARP HAARP, J19K Poorman, J19K Poorman, F17K Baldwin Pennin, A36M Sachs Harbour, A36M Sachs Harbour, BVCY Beaver Creek, BVCY Beaver Creek, D17K Noatak River, D17K Noatak River, PPLA Purkeypile, PPLA Purkeypile.

Table of seismic events with columns for station, location, time, magnitude, and quality. Includes stations like M24K, M29M, C36M, G17K, WACK, WASW, H17K, SCM, J18K, SML, YUK2, C16K, N25K, YUK3, GHO, L20K, GLB, M22K, G16K, KNK, VRDI, DIV, M20K, YUK8, L19K, J17K, BALM, YUK4, STLK, H16K, FARO, N30M, F15K, L18K, J16K, M16K, F14K, ANM, ILSW, N17K, WRGL, ACHA, KDAD, KDAK, T35M, YKA, YKA, YKA, FFC, NEW, SHEM, TIXI, TIXI, LYMT, MA2, YB8, PETK, PETK, SFJD, PD31, PDAR, SPITS, HWUT, YAK, DUG, NVAR, NRK, WUAZ, WUAZ, PFO, ANMO, BORG, ARCES, HEH, HEH, HEH, ASAJ, WVT, TXAR.

Table of seismic events with columns for station, location, time, magnitude, and quality. Includes stations like USRK, NOA, FINES, HFS, ZALV, SONM, SONM, EKA, ARTI, KSRS, KSRS, BVAR, KURK, KURB, HHC, HHC, HHC, HHC, MK31, MKAR, MAZK, MAZK, AKTO, AKTO, ABKAR, ABKAR, WMQ, WMQ, GERES, GERES, GTA, GTA, NJ2, NJ2, AAK, AAK, KSH, KSH, ESDC, ESDC, JTS, BRTR, PZH, PZH, PZH, CMAR, CMAR, BBTS, PALK, DBIC, ASRS, IDC, Code, Station Name, Phase ID, Time, Res.

Table of seismic events with columns for station, location, time, magnitude, and quality. Includes stations like MOCB, SOEJ, TA02, BBOE, TA01, PB12, PB09, PB09, PB09, AP01, AP01, AP01, BBOD, LPAZ, LPAZ, YJA, YJA, YJA, AF01, AF01, PB04, PB04, PB04, AZAP, AZAP, AZAP, NEIC, HVO, Code, Station Name, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like APSI Ampaña, TTSI Tana Toraja, LUWI Lidruk, etc.

NNC 09 07:28:53.4:1.7, 54.786N-83.79E, h0km, mb2.4, mpv2.4, Error ellipse: s-maj=9.6km s-min=6.4km az=156.0, Suspected Mining explosion.

ASRS 09 07:28:55.0:0.8, 54.71N-83.67E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZAAO Zalesovo Beam, etc.

IDC 09 07:29:33.9:0.7, 19.40Sx173.52W, h0km, mb4.4/14, mbtp4.4/14, MS4.0/24, Error ellipse: s-maj=31.9km s-min=16.3km az=141.0.

NEIC 09 07:29:35.2:1.4, 19.55S:173.36W:0.08, h10km, 1km, mb4.9/25, Error ellipse: s-maj=20.0km s-min=12.6km az=181.0.

NOU 09 07:29:40.2, 18.60S:172.56W, h101km, mb4.8/7, Tonga Islands Region

ISC 09 07:29:38.5:0.6, 19.35S:0.1x173.6W:0.1, h28km, n78, 1944/47, mb4.8/27, MS4.0/22, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NIUE Niue, AFI Afiamalu, TAVE Taveuni, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WBO Warramunga Arr, WBO Warramunga Arr, WRAB Tennant Creek, etc.

ASRS 09 07:30:04.0:0.4, 0.7, 55.61N-86.21E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 09 07:30:07.8:3.6, 55.51N:86.24E, h0km, mbtp2.8/2, ML2.6/2, Error ellipse: s-maj=27.8km s-min=25.9km az=41.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRSR Korea Array, USRK Ussuriysk Arr, TXAR Lajitars Array, etc.

ASRS 09 07:30:04.0:0.4, 0.7, 55.61N-86.21E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 09 07:30:07.8:3.6, 55.51N:86.24E, h0km, mbtp2.8/2, ML2.6/2, Error ellipse: s-maj=27.8km s-min=25.9km az=41.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like COEN Coen, STKA Stephens Creek, MCQ Macquarie Isla, etc.

SOME 09 07:34:30.7, 42.10N-83.38E, h5km, NNC 09 07:34:35.6:1.9, 42.23N:83.19E, h0km, mb3.6, mpv3.3, Error ellipse: s-maj=16.1km s-min=9.1km az=161.0.

ISC 09 07:34:25.6:3.2, 42.10N:83.19E:0.09, h15km, n18, 1527/24, 3C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS Shalkode, SHLS Shalkode, PDGK Podgornoye, etc.

ASRS 09 07:47:55.0:1.2, 53.76N-91.08E, h0km, M3.2, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 09 07:47:58.4:3.1, 53.76N:90.93E, h0km, mbtp3.2/3, ML2.7/3, Error ellipse: s-maj=26.3km s-min=22.9km az=49.0.

NNC 09 07:48:03.6:1.2, 53.50N:90.45E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=9.7km s-min=7.9km az=78.0, Suspected Mining explosion.

ISC 09 07:48:02.4:1, 53.50N:0.1x90.6E:0.2, h0km, n10, 6080/14, 9C-5D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZAAO Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, MK31 Makanchi Array, MKAR Makanchi Array, etc.

NEIC 09 07:50:42.4 ± 1.8, 61.43N ± 0.03, 149.99W ± 0.05, h34km, 9km, Error ellipse: s-maj=3.6km s-min=0.0km az=160.0

AEIC 09 07:50:42.7 ± 2.1, 61.141N ± 0.03, 150.00W ± 0.05, h36km, 5km, ML2.8, ML3.0 / 136(NEIC), Error ellipse: s-maj=4.2km s-min=3.2km az=139.0, Southern Alaska

Table with columns: Code, Station Name, Az, Phase, Op, ID, Time, Res, ISC. Includes stations like FIS Fire Island, RC01 Rabbit Creek A, M22K Willow, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ID, Time, Res, ISC. Includes stations like WAT7 Susitna Watana, DFR Drift River, M20K Styx River, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ID, Time, Res, ISC. Includes stations like CAST Castle Rocks, EYAK Cordova Ski Arr, N19K Bonanza Creek, etc.

IDC 09 07:52:52.2 ± 1.0, 2.25N, 126.55E, h0km, mb3.8/9, mbmp3.8/9, Error ellipse: s-maj=56.6km s-min=16.4km az=70.0

NEIC 09 07:52:56.8 ± 2.3, 2.19N ± 0.06, 126.58E ± 0.08, h35km, 2km, mb4.5/11, Error ellipse: s-maj=13.5km s-min=10.5km az=108.0

DJA 09 07:52:57.1 ± 0.3, 2.14N ± 12.7E, h10km, M4.0/6, MLv4.0/6

ISC 09 07:52:58.2 ± 0.7, 2.23N ± 0.08, 126.7E ± 0.1, h47km, n26, r=141/25, mb4.0/14, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase, Op, ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, TOLIZ Tolitola, etc.

Table with columns: Code, Station Name, Az, Phase, Op, ID, Time, Res, ISC. Includes stations like ABKAR Akbulak array, AKTO Aktyubinsk, D19K Kuna River, etc.

IDC 09 07:56:27.1 ± 2.4, 6.38N, 127.05E, h70km, 22km, mb4.0/16, mbmp4.3/16, MS3.4/6, Error ellipse: s-maj=26.7km s-min=11.0km az=72.0

NEIC 09 07:56:32.0 ± 1.2, 6.16N ± 0.10, 126.8E ± 0.1, h106km, 9km, mb4.5/19, Error ellipse: s-maj=19.3km s-min=12.9km az=69.0

ISC 09 07:56:27.9 ± 0.5, 6.28N ± 0.07, 126.97E ± 0.09, h74km, n49, r=1518/48, mb4.3/25, 1C, Mindanao

Table with columns: Code, Station Name, Az, Phase, Op, ID, Time, Res, ISC. Includes stations like DAV Davao City (W), DAV Davao City (W), DAV Sibuan, etc.

ASRS 09 07:59:06.0 ± 1.0, 54.12N ± 86.48E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROF, 2021.

IDC 09 07:59:08.2 ± 0.3, 54.18N ± 86.51E, h0km, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=22.3km s-min=13.5km az=61.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Phase, Op, ID, Time, Res, ISC. Includes stations like ABKAR Akbulak array, K13K Kusilvak Mount, ANM Nome, etc.

Table with columns: Station Name, Time, Res, Pn, Sn, Op, Phase ID, ISC, h, m, s, ISC. Includes stations like Augustine Cone, Redoubt Volcan, Port Alsworth, etc.

Table with columns: Station Name, Time, Res, Pn, Sn, Op, Phase ID, ISC, h, m, s, ISC. Includes stations like Nenana, Wood River Hill, Kiagna River, etc.

Table with columns: Station Name, Time, Res, Pn, Sn, Op, Phase ID, ISC, h, m, s, ISC. Includes stations like Khodutka, Kame, Ruzhetka, etc.

JMA 09 09:21:10.70:0.2, 30.9N, 170.141E, h105km, 3km, MV3.7/43, NEAR TORISHIMA IS

ISC 09 09:21:10.5:3.6, 30.67N, 140.99E, h87km, 32km, mb3.4/10, mbtmp3.7/12, Error ellipse: s-maj=36.0km s-min=17.8km az=74.0

ISC 09 09:21:11.9:0.7, 30.89N, 106.141E, 0.1, h100km, n27, c150/33, mb3.8/11, The Southwest of Honshu

Table with columns: Station Name, Time, Res, Pn, Sn, Op, Phase ID, ISC, h, m, s, ISC. Includes stations like Hachiojimakas, Mitsune, Boso 1, etc.

ASRS 09 09:26:42.0:1.0, 53.59N, 88.03E, h0km, M2.7, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-R0, 2021.

ISC 09 09:26:45.1:2.9, 53.59N, 87.85E, h0km, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=26.6km s-min=15.1km az=67.0, Southwestern Siberia

Table with columns: Station Name, Time, Res, Pn, Sn, Op, Phase ID, ISC, h, m, s, ISC. Includes stations like Zalesovo Infra, Zalesovo Beam, Kurchatov Arra, etc.

ASRS 09 09:29:48.0:1.1, 54.21N, 87.06E, h0km, M2.6, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-R0, 2021.

ISC 09 09:29:47.1:3.4, 54.35N, 87.45E, h0km, mbtmp3.2/2, ML2.7/2, Error ellipse: s-maj=31.0km s-min=20.5km az=46.0, Southwestern Siberia

Table with columns: Station Name, Time, Res, Pn, Sn, Op, Phase ID, ISC, h, m, s, ISC. Includes stations like Zalesovo Infra, Zalesovo Beam, Kurchatov Arra, etc.

NEIC 09 09:32:13.2:1.6, 17.51S, 0.05:174.26W, 0.08, h10km, 1km, mb4.6/28, Error ellipse: s-maj=12.9km s-min=7.2km az=71.0

GCMT 09 09:32:16.2:0.3, 17.55S, 0.05:174.41W, 0.03, h19km, 1km, MV5.0/60, Moment Tensor Solution, s24, c26, s60, c82, Duration: 0 Moment tensor: Scale 10^16Nm, Mr=4.47z, Mm=2.27z, Mw=2.20z, 19: Mm=0.43z, 52: Mw=1.46z, 10: Mw=0.40z, 40: Best double couple: Mw=1.250z, 016: NFP1: s=225.00000, 841.00000, 1-90.00000, NP2: s=46.00000, 849.00000, 1-90.00000, Principal axes: T: 3.7370, Plg4.0000, Azm136.0000, N: 0.7750, Plg0.0000, Azm226.0000, P: -4.5120, Plg86.0000, Azm319.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BUJ 09 09:32:17.0, 17.40S, 174.30W, h40km, mb5.4/6, mb4.8/15, Ms5.1/2, Ms7.4/72

IDC 09 09:32:19.0:4.7, 17.82S, 174.71W, h60km, 41km, mb3.9/11, mbtmp4.2/12, ML4.8/1, M5S.9/23, Error ellipse: s-maj=51.9km s-min=18.4km az=141.0

ISC 09 09:32:16.5:0.5, 17.8S, 0.1:174.38W, 0.07, h35km, n84, c1842/57, mb4.5/27, MS4.0/20, 1C-2D, Tonga Islands

Table with columns: Station Name, Time, Res, Pn, Sn, Op, Phase ID, ISC, h, m, s, ISC. Includes stations like Niue, Afiamalu, Nonsavu, etc.

PPT2 28.1m, 26.5s, 23.62, 93 eLR S 09 41 35.0 -2.1

PPT2 1.0m, 26.5s, 23.62, 93 eLR S 09 43 07.7

PPT2 584m, 26.2s, 23.62, 93 eLR S 09 43 09.7

PPT 584m, 26.2s, 23.62, 93 eLR S 09 44 00.6

TBI 584m, 26.2s, 23.62, 93 eLR S 09 43 17.0

HNR 584m, 26.2s, 23.62, 93 eLR S 09 46 27.4

TAOE 584m, 26.2s, 23.62, 93 eLR S 09 48 00.7

CTA 584m, 26.2s, 23.62, 93 eLR S 09 39 23.1 -2.0

CTA 584m, 26.2s, 23.62, 93 eLR S 09 52 32.2

CTAO 584m, 26.2s, 23.62, 93 eLR S 09 39 24.1 -1.0

CTAO 584m, 26.2s, 23.62, 93 eLR S 09 39 29.2

PMG 584m, 26.2s, 23.62, 93 eLR S 09 52 25.9

COEN 584m, 26.2s, 23.62, 93 eLR S 09 39 56.2 +0.1

STKA 584m, 26.2s, 23.62, 93 eLR S 09 40 06.3 +1.3

STKA 584m, 26.2s, 23.62, 93 eLR S 09 40 02.4 -2.6

JAY 584m, 26.2s, 23.62, 93 eLR S 10 00 52.2

WB00 584m, 26.2s, 23.62, 93 eLR S 09 40 44.8 +1.7

WB00 584m, 26.2s, 23.62, 93 eLR S 09 40 55.7 +0.2

WB0 584m, 26.2s, 23.62, 93 eLR S 09 41 09.4

WB2 584m, 26.2s, 23.62, 93 eLR S 09 40 53.5 -2.1

WB2 584m, 26.2s, 23.62, 93 eLR S 09 41 11.3

WRA 584m, 26.2s, 23.62, 93 eLR S 09 40 51.8 -3.9

AS31 584m, 26.2s, 23.62, 93 eLR S 09 40 56.6 +0.2

AS31 584m, 26.2s, 23.62, 93 eLR S 09 41 01.1

ASAR 584m, 26.2s, 23.62, 93 eLR S 09 40 53.6 -2.8

ASAR 584m, 26.2s, 23.62, 93 eLR S 09 42 01.1 -1.1

MTN 584m, 26.2s, 23.62, 93 eLR S 09 41 27.3 -0.3

KNRA 584m, 26.2s, 23.62, 93 eLR S 09 41 39.6 -0.3

FITZ 584m, 26.2s, 23.62, 93 eLR S 09 41 57.8 -0.2

RPN 584m, 26.2s, 23.62, 93 eLR S 10 01 31.6

QSPA 584m, 26.2s, 23.62, 93 eLR S 09 43 39.8 +1.8

QSPA 584m, 26.2s, 23.62, 93 eLR S 09 43 48.3

QSPA 584m, 26.2s, 23.62, 93 eLR S 09 43 37.8 -0.2

KKM 584m, 26.2s, 23.62, 93 eLR S 09 43 39.3 -0.9

LP1G 584m, 26.2s, 23.62, 93 eLR S 10 12 11.5

PFO 584m, 26.2s, 23.62, 93 eLR S 10 07 33.0

GSC 584m, 26.2s, 23.62, 93 eLR S 09 43 59.8 -0.3

GSC 584m, 26.2s, 23.62, 93 eLR S 09 44 02.1

YBH 584m, 26.2s, 23.62, 93 eLR S 10 09 25.5

LEM 584m, 26.2s, 23.62, 93 eLR S 10 17 55.1

113A 584m, 26.2s, 23.62, 93 eLR S 09 44 03.4 -0.9

NVAR 584m, 26.2s, 23.62, 93 eLR S 09 44 05.0 +0.2

NVAR 584m, 26.2s, 23.62, 93 eLR S 10 11 33.9

WVOR 584m, 26.2s, 23.62, 93 eLR S 09 44 15.1 -1.4

WVOR 584m, 26.2s, 23.62, 93 eLR S 09 44 25.6

ILSW 584m, 26.2s, 23.62, 93 eLR S 09 44 17.8 -1.2

U15A 584m, 26.2s, 23.62, 93 eLR S 09 44 19.4 -1.5

U15A 584m, 26.2s, 23.62, 93 eLR S 09 44 30.4

WUAZ 584m, 26.2s, 23.62, 93 eLR S 09 44 20.1 -1.6

NJ2 584m, 26.2s, 23.62, 93 eLR S 09 44 27.3 0.0

NJ2 584m, 26.2s, 23.62, 93 eLR S 09 44 27.3 0.0

BELA 584m, 26.2s, 23.62, 93 eLR S 09 44 33.0 +1.9

BELA 584m, 26.2s, 23.62, 93 eLR S 09 44 38.3

HLID 584m, 26.2s, 23.62, 93 eLR S 09 44 33.0 -0.6

HLID 584m, 26.2s, 23.62, 93 eLR S 09 44 36.5

VRDI 584m, 26.2s, 23.62, 93 eLR S 09 44 35.8 -0.1

VRDI 584m, 26.2s, 23.62, 93 eLR S 09 44 42.5

TXAR 584m, 26.2s, 23.62, 93 eLR S 09 44 38.9 +1.7

Lajita Array 584m, 26.2s, 23.62, 93 eLR S 09 44 38.9 +1.7

ANMO 584m, 26.2s, 23.62, 93 eLR S 09 44 39.4 +0.4

ANMO 584m, 26.2s, 23.62, 93 eLR S 09 44 47.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ANMO Albuquerque, AHID Auburn Hatcher, H03S2 Juan Fernandez, etc.

SJA 09 09:34:34.7, 0.2, 22.16S, 67.43W, h158km, 13km, ML3.0, MW3.0

SCB 09 09:34:35.1, 0.8, 22.10S, 67.34W, h157km, 9km, ML3.1/2, MW2.7, Error ellipse: s-maj=8.3km s-min=5.2km az=0.0

ISC 09 09:34:33.6, 1.2, 22.13S, 67.41W, h178km, n24, i=159/33, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PB09 IPOC Station P, YJA Yavi, MOCB Mochara, etc.

ASRS 09 09:34:59.0, 0.8, 53.58N, 87.91E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 09 09:35:01.7, 3.0, 53.54N, 87.75E, h0km, mbtmp2.9/3, ML2.4/2, Error ellipse: s-maj=28.0km s-min=15.0km az=73.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

Main table with columns: MKAR, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MKAR baz=32, slow=28, SNR=1.3, FID Fire Island, RC01 Rabbit Creek A, etc.

Table with columns: O19K, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include O19K Port Alsworth, L19K White Mountain, HARP HAARP, etc.

BJI 09 09:39:03.9, 3.4, 44N, 95.66E, h48km, mb4.9/13, mb4.7/52, Ms4.3/14, Ms7.4/18

MOS 09 09:39:07.0, 0.9, 3.98N, 95.94E, h48km, mb5.2/73, Error ellipse: s-maj=9.7km s-min=4.2km az=116.8

NEIC 09 09:39:09.1, 1.7, 3.94N, 0.06E, 95.98E, 0.06, h46km, 4km, mb5.1/103, Error ellipse: s-maj=9.5km s-min=8.8km az=11.0

DJA 09 09:39:09.0, 0.2, 4.2N, 9.6E, h40km, 2km, M5.1/55, mb5.0/55, mb5.6/16, MLv5.1/18, Mw(mb)5.1/16, MwMwp5.0/1, MwMwp5.3/1

GCMT 09 09:39:10.1, 0.4, 3.99N, 0.02E, 95.59E, 0.03, h35km, 1km, MW4.9/56, Moment Tensor Solution, s32,c35; s56,c73; Duration: 0 Moment tensor: Scale 10^19Nm; Mr-1.75; 17; M0-2.09; 10; M00-0.33; 12; M00,22; 11; M00,52; 10; Mr-1.66; 13; Best double couple: M2.56800x10^16 Np1: 0.286, 0.0000; 0.52, 0.0000; -1.4, 0.0000; NP2: 0.47, 0.0000; 0.87, 0.0000; -1.13, 0.0000; Principal axes: 7.2, 2.370, P1g5.0000; Azm165.0000; N 66.80; P1g34.0000; Azm73.0000; P 2.8990, P1g65.0000; Azm260.0000; nsta1 refers to nsta1 refers to body waves, cutoff=40s. nsta2 refers to nsta2 refers to body waves, cutoff=50s. Triangular moment-rate function

IDC 09 09:39:10.6, 1.6, 4.03N, 95.94E, h67km, 14km, mb4.4/38, mbtmp4.7/41, MS3.8/50 Error ellipse: s-maj=13.1km s-min=8.7km az=49.0

ISC 09 09:39:09.1, 0.3, 3.90N, 0.03E, 95.83E, 0.04, h53km, 2km, h53km, pp-P, n591, 0.140/618, mb4.9/182, MS3.9/54, 24C-19D, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MLSI Meulaboh, Aceh, SSI Sinabang, Aceh, BSI Banda Aceh, etc.

Table with columns for station call letters, frequency, name, and other details. Includes stations like KBD, RAYN, PMG, CTB, etc.

Table with columns for station call letters, frequency, name, and other details. Includes stations like CAN, YAK, BNN, etc.

Table with columns for station call letters, frequency, name, and other details. Includes stations like SORM, ALN, IDI, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PAJAJ, LANU, HETTA, etc.

IDD 09 10:01:54.6:1.6, 67.39N:23.37E, h0km, mbmp2.7/2, ML1.9/2, Error ellipse: s-maj=34.6km s-min=9.3km az=92.0

UPP 09 10:01:54.8:0.2, 67.42N:23.32E, h0km, ML1.9, Unknown HEL 09 10:01:55.3:0.1, 67.43N:23.37E, h0km, ML1.7, Explosion

ISC 09 10:01:53.4:0.8, 67.40N:02.2348E:0.02, h0km, n37, e1507/60, Sweden

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KLF, MASU, LANU, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KEV, KU6, KU6, etc.

RSRP 09 10:03:42.9, 18.80N:65.16W, h64km, 6km, MD3.0/15, NEIC 09 10:03:42.7:0.7, 18.81N:06.65:16W:0.1, h35km, 2km, ML2.8/24, Md3.0/15(RSPR), Error ellipse: s-maj=15.6km s-min=9.6km az=106.0

ISC 09 10:03:37.2:1.9, 18.93N:09.65:11W:0.05, h11km, 10km, n47, e087/54, 9C-6D, Puerto Rico region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like HUMP, HUMP, HUMP, etc.

IDD 09 10:01:54.6:1.6, 67.39N:23.37E, h0km, mbmp2.7/2, ML1.9/2, Error ellipse: s-maj=34.6km s-min=9.3km az=92.0

UPP 09 10:01:54.8:0.2, 67.42N:23.32E, h0km, ML1.9, Unknown HEL 09 10:01:55.3:0.1, 67.43N:23.37E, h0km, ML1.7, Explosion

ISC 09 10:01:53.4:0.8, 67.40N:02.2348E:0.02, h0km, n37, e1507/60, Sweden

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KLF, MASU, LANU, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MLY4.3/11, PCI, APISI, etc.

IDD 09 10:14:42.6:0.8, 1.13S:119.82E, h0km, mb3.8/9, mbmp3.8/10, ML4.1/1, MS3.1/2, Error ellipse: s-maj=58.6km s-min=14.5km az=64.0

NEIC 09 10:14:43.8:2.2, 1.37S:0.06:119.77E:0.04, h10km, 1km, mb4.2/8, Error ellipse: s-maj=10.9km s-min=4.4km az=155.0

DJA 09 10:14:44.1:0.3, 1.1S:2.12E, h10km, M4.4/13, mb4.5/1, ML4.4/13

ISC 09 10:14:46.2:0.6, 1.18S:0.02:119.76E:0.05, h28km, n36, e143/38, mb3.9/12, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PCI, PCI, TANA, etc.

IDD 09 10:14:42.6:0.8, 1.13S:119.82E, h0km, mb3.8/9, mbmp3.8/10, ML4.1/1, MS3.1/2, Error ellipse: s-maj=58.6km s-min=14.5km az=64.0

UPP 09 10:01:54.8:0.2, 67.42N:23.32E, h0km, ML1.9, Unknown HEL 09 10:01:55.3:0.1, 67.43N:23.37E, h0km, ML1.7, Explosion

ISC 09 10:01:53.4:0.8, 67.40N:02.2348E:0.02, h0km, n37, e1507/60, Sweden

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KDI, BKSI, KMSI, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KODAK, POKR, O17K, I20K, etc.

REN 09 11:00:55.2, 2.4, 381.38N, 0.02:115.829W, 0.008, h5km, 3km, ML3, 1/16, ML2, 6.46(NEIC), Error ellipse: s-maj=2.4km s-min=1.0km az=184.0

NEIC 09 11:00:54.8, 2.4, 383.7N, 0.01:115.817W, 0.002, h5km, 1km, Error ellipse: s-maj=2.8km s-min=2.4km az=354.0, Nevada

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like R11B, R17B, R11B, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CPY, PSUT, PSUT, etc.

NNC 09 11:01:32.1, 0.9, 54.71N, 83.62E, h0km, mb4.5, mpv4.3, Error ellipse: s-maj=8.3km s-min=2.7km az=15.0

ASRS 09 11:01:33.4, 54.7N, 0.9, 83.7E, 0.7, h0km, ML4.3, 9/9, Error ellipse: s-maj=1.5km s-min=0.8km az=29.6, confirmed

IDC 09 11:01:33.1, 0.6, 54.77N, 83.87E, h0km, mb4.1/1.0, m1mp4, 2/16, ML3, 7/6, MS3, 2/19, Error ellipse: s-maj=8.9km s-min=7.7km az=59.0

ISC 09 11:01:33.5, 0.9, 54.68N, 0.02:83.65E, 0.02, h5km, 6km, n10, c180/130, mb4.1/13, MS3.4/12, 18C-21D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KHAR, NVSI, NVSI, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KURBB, TEL, MINR, etc.

Table with columns: DGS, Degeres, 2.40 65 eP, Pb, 11 15 21.3 +0.5, etc.

UPA 09 11:29:39.3:0.7, 7.47N-81.72W, h0km, 4km, ML3.2, MW3.7, 1C, Panama

Main table for UPA 09 11:29:39.3:0.7, 7.47N-81.72W, listing station names like GMAL, MARI3, etc.

PRE 09 11:33:01.3:1.2, 25.94S-29.32E, h0km, ML2.1, Explosion

ISC 09 11:33:02.9:5.4, 26.03S-28.96E, h0km, mbmp3.32, ML2.5/2, Error ellipse: s-maj=42.1km s-min=27.1km az=74.0

ISC 09 11:33:01.1:0.8, 25.94S-0.04:29.29E, h0km, m15, a133/24, South Africa

Main table for PRE and ISC events, listing station names like CRLN, HRAO, etc.

NAO 09 11:35:35.8, 43.37N-25.66E, h33km, mb3.7

BEO 09 11:35:54.0:0.7, 45.55N-27.90E, h111km, 4km, ML4.1/21

SIGU 09 11:36:02.5, 45.60N-26.62E, h143km

MOS 09 11:36:02.3:0.8, 45.59N-26.67E, h142km, mb4.0/5, Error ellipse: s-maj=5.5km s-min=4.3km az=91.8

NEIC 09 11:36:03.3:1.1, 45.58N-0.05:26.64E, h142km, 4km, mb4.1/8, Mw1.4/24(BUC), Error ellipse: s-maj=7.1km s-min=2.6km az=169.0

BUC 09 11:36:04.0:0.2, 45.56N-26.62E, h130km, 2km, m14.4/67,

Error ellipse: s-maj=1.8km s-min=1.4km az=4.0
IDC 09 11:36:03.4:0.5, 45.58N-26.49E, h134km, 4km, mb3.5/12, mbmp3.9/19, Error ellipse: s-maj=14.3km s-min=11.6km az=140.0

CFUSG 09 11:36:04.2, 45:60N-26:60E, h150km, mb3.8/7, Romania Magtype MSH 3.6 from 7 stations

SOF 09 11:36:04.4, 45:58N:0.04:26:53E:0.02, h100km, 4km, MD4.3/8

MCSM 09 11:36:04.0:0.5, 46°N:4'27"E, h131km, 4km, MLV4.1

ISC 09 11:36:03.3:0.5, 45.59N:0.03:26.58E:0.02, h141km, 4km, m34.1, a1328/447, mb3.8/18, 76C-64D, Romania

Main table for ISC events, listing station names like BISRR, PLOST, etc.

Main table for TLR and other events, listing station names like TLR, TLR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for China Poot, Klutina, Purkeypile, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Lithakia, Orthones, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for DRO, PYL, Lefkada island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for ISN 09 13:02:32.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for PB09 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for SALTA, IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for mb4.3/6, Error ellipse, BAI, WBSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for NEIC 09 13:44:54.6, AEIC 09 13:44:54.7, etc.

9d 15h

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JTS, CALO3, DVID, PEDES, MESA3, TOTI, STIA3, MGAN, RSUS3, CHIT3, PTPM, GMAL, AZU, AZU, AZU, MARI3, PCRI3, TGUH, TGUH, LCB3, LCB3, SJCC, SJCC, PTAC, PTAC, PTAC, APAC, APAC, UREC, UREC, CRJC, CRJC, ZARC, ZARC, CBOC, CBOC, GTBY, URIC, URIC, OCAC, OCAC, PTBC, PTBC, GUY2C, GUY2C, NORC, NORC, TEIG, TEIG, TEIG, TEIG, PAMC, PAMC, BARC, BARC, ROSC, ROSC, RUSC, RUSC, SDV, SDV, SDV, SDV, CHIC, CHIC, CHIC, CHIC, TKL, TKL, TXAR, TXAR, MDP, MDP, LPIG, LPIG, LPAZ, LPAZ, PDAR, PDAR, NVAR, NVAR, BDFB, BDFB, CPUP, CPUP, RCBR, RCBR, YKA, YKA, DLBC, DLBC, ILAR, ILAR, NOA, NOA, ASAR, ASAR, WRA, WRA.

19m JAN

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FITZ, WRA, ASAR, STKA, KCHP, ILIN, IKRK, IKRK, SNQR, IKFM, SDFS, IDOB, RAFI, HSAM, MAHB, HAGD, CABS, IRAZ, IQOM, IMRD, IPIR, GAMS, IKLH, IVRN, IRAM, MSVF, MSVF, MSVF, FUTU, DZM, DZM, GUY2C, RAR, ARMA, ARMA, CTAO, CTAO, CAN, CAN, PMG, PMG, COEN, COEN, STKA, STKA, JAY, BBOO, BBOO, STCH, WB2, WRA, WRA, AS31, AS31, ASAR, ASAR, ASAR, ASAR, MJAR, MJAR, ADK, ADK, UGM, UGM, SSLB, SSLB, QSPA, QSPA, S12K, KRSR, R16K, YBH.

540

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like O16K, DSP, YERR, N15K, N15K, P18K, P18K, NVAR, O18K, O18K, M16K, CNPM, CNPM, J05D, J05D, M17K, M17K, K15K, K15K, WWOR, WWOR, L18K, L18K, PWL, PWL, U15A, U15A, TXAR, TXAR, PDAR, PDAR, CMAR, YKA, MKAR, KURBB, BVAR, ARCES, FINES, HFS, AKASG, AKASG, EKA, BRTR, STEB, DPC, KRLC, MMLA, KHC, KCRC, GONES, CONRA, RONA, LESA, SOKA, RETA, WTTA, MOTA, MYKA, SQTA, ABTA, DAVA, FETA, WEL, IDC, IDC, IDC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SNGZ, MURUPA, RUATAHUNA, etc.

NEIC 09 15:12:11.4, 1.61, 34N, 0.02, 149.92W, 0.05, h43km, 5km, Error ellipse: s-maj=3.5km s-min=3.4km az=85.0

AEIC 09 15:12:11.8, 1.1, 61.32N, 0.03, 149.89W, 0.02, h46km, 4km, ML2.8, ML3.0/136(NEIC), Error ellipse: s-maj=4.0km s-min=1.7km az=172.0, Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FIS, RABBIT CREEK A, M22K, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PPLA, PURKEYPILE, M24K, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PLV, BKK, Mjma, etc.

DSN 09 15:32:02.3, 1.5, 281.0N, 56.04E, h15km, ML2.78, Error ellipse: s-maj=4.1, 7km s-min=1.1, 9km az=78.0

TEH 09 15:32:03.0, 27.87N, 56.25E, h10km, 62km, OMAN 09 15:32:02.0, 27.44N, 56.01E, h10km, ml2.8/16, Error ellipse: s-maj=1.3km s-min=0.7km az=18.0

ISC 09 15:32:04.1, 2.2, 27.78N, 0.05, 56.19E, 0.04, h16km, n45, s150/61, Southern Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GENO, IBNU, LARI, etc.

IDC 09 15:37:59.6, 4.3, 6.48N, 127.19E, h81km, 40km, mb3.4/6, mbmp3.8/6, MS3.0/1, Error ellipse: s-maj=57.8km s-min=18.1km az=61.0

ISC 09 15:37:58.8, 0.1, 6.5N, 0.2, 127.2E, 0.1, h74km, n8, n11/18, mb3.7/6, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DAV, WRA, KSR, etc.

NNC 09 15:38:31.2, 6.2, 38.42N, 70.06E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=53.4km s-min=43.9km az=31.0

KRNET 09 15:38:40.8, 0.1, 39.37N, 70.16E, h18km, mb3.2, SOME 09 15:38:49.4, 39.62N, 70.65E, h20km

ISC 09 15:38:41.3, 0.8, 39.36N, 0.03, 70.27E, 0.04, h10km, n22, s249/37, 12C-11D, Tajikistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GAR, BATKEN, etc.

PMR	Palmer	1.65	32	P	Pn	16 11 56.1 +0.1
PMR	Palmer			S	Sn	16 12 15.8 -0.6
PMR	Palmer	1.65	32	P	Pn	16 11 55.9 -0.1
O19K	Port Alsworth	1.69	271	Pn	Pn	16 11 56.1 -0.4
O19K	Port Alsworth	1.69	271	Pn	Pn	16 11 56.2 -0.3
KNK	Knik Glacier	1.72	44	Pn	Pn	16 11 56.8 -0.3
KNK	Knik Glacier			IAML		16 12 19.6
KNK	Knik Glacier	1.72	44	P	Pn	16 11 57.2 +0.2
KNK	Knik Glacier			S	Sn	16 12 17.9 -0.2
SYI	Shuyak Island	1.76	206	Pn	Pn	16 11 57.9 +0.3
SYI	Shuyak Island	1.76	206	Pn	Pn	16 12 19.6 +0.6
SYI	Shuyak Island	1.76	206	IAML		16 12 20.8
SYI	Shuyak Island			IAML		16 12 22.4
Q20K	Shuyak Island	1.76	206	P	Pn	16 11 58.4 +0.9
Q20K	Shuyak Island			S	Sn	16 12 19.7 +0.6
P23K	Montague Island	1.78	95	Pn	Pn	16 11 57.7 -0.1
P23K	Montague Island	1.78	95	Pn	Pn	16 11 57.8 -0.1
P23K	Montague Island			S	Sn	16 12 19.9 +0.3
P23K	Montague Island			S	Sn	16 12 19.9 +0.3
SKT	Skwentna	1.81	351	Pn	Pn	16 11 58.0 -0.2
SKT	Skwentna			IAML		16 12 22.9
SKT	Skwentna	1.81	351	P	Pn	16 11 58.5 +0.3
SKT	Skwentna			S	Sn	16 12 21.0 +0.8
GHO	Glory Hole Cre	1.86	31	Pn	Pn	16 11 58.5 -0.4
GHO	Glory Hole Cre			IAML		16 12 22.5
GHO	Glory Hole Cre			IAML		16 12 22.8
N19K	Bonanza Creek	1.86	291	Pn	Pn	16 11 57.8 -1.2
N19K	Bonanza Creek	1.86	291	Pn	Pn	16 12 20.4 -1.2
N19K	Bonanza Creek	1.86	291	IAML		16 12 23.1
N19K	Bonanza Creek	1.86	291	P	Pn	16 11 58.5 -0.4
N19K	Bonanza Creek			S	Sn	16 12 20.6 -0.9
N19K	Bonanza Creek			S	Sn	16 12 20.6 -0.9
O19K	Cape Douglas	1.88	228	Pn	Pn	16 11 59.6 +0.4
O19K	Cape Douglas	1.88	228	Pn	Pn	16 11 59.8 +0.7
O19K	Cape Douglas			S	Sn	16 12 22.9 +1.0
O19K	Cape Douglas			S	Sn	16 12 22.9 +1.0
M20K	Styx River	2.00	329	Pn	Pn	16 12 00.8 0.0
M20K	Styx River	2.00	329	Pn	Pn	16 12 25.4 +0.6
M20K	Styx River	2.00	329	IAML		16 12 30.1
M20K	Styx River			IAML		16 12 30.5
M20K	Styx River	2.00	329	P	Pn	16 12 01.0 +0.2
GLI	Glacier Island	2.02	69	Pn	Pn	16 12 00.2 -0.8
GLI	Glacier Island	2.02	69	Pn	Pn	16 12 00.2 -0.8
GLI	Glacier Island			S	Sn	16 12 23.5 -1.7
SML	Sawmill	2.05	37	Pn	Pn	16 12 01.4 -0.1
SML	Sawmill			IAML		16 12 27.4
SML	Sawmill			IAML		16 12 27.6
SML	Sawmill	2.05	37	Pn	Pn	16 12 01.6 +0.1
SML	Sawmill			S	Sn	16 12 25.4 -0.7
O18K	Koktuh Hills	2.17	263	IAML		16 12 02.5 -0.6
O18K	Koktuh Hills			IAML		16 12 28.5
O18K	Koktuh Hills			IAML		16 12 29.6
O18K	Koktuh Hills	2.17	263	P	Sn	16 12 27.8 -1.2
O18K	Koktuh Hills	2.17	263	P	Pn	16 12 02.6 -0.4
O18K	Koktuh Hills			S	Sn	16 12 27.7 -1.2
O18K	Koktuh Hills			S	Sn	16 12 27.7 -1.2
HIN	Hinchinbrook I	2.22	83	Pn	Pn	16 12 02.6 -1.1
HIN	Hinchinbrook I			IAML		16 12 30.4
CUT	Chulitna	2.23	8	Pn	Pn	16 12 04.6 +0.7
CUT	Chulitna	2.23	8	IAML		16 12 46.4
CUT	Chulitna			IAML		16 12 47.9
CUT	Chulitna	2.23	8	P	Pn	16 12 03.3 -0.6
M23K	Glacier View	2.24	43	Pn	Pn	16 12 04.2 +0.3
M23K	Glacier View	2.24	43	P	Pn	16 12 30.2 -0.4
M23K	Glacier View	2.24	43	P	Pn	16 12 04.2 +0.3
M23K	Glacier View			S	Sn	16 12 30.1 -0.4
P18K	Big Mountain	2.32	251	Pn	Pn	16 12 04.6 -0.4
P18K	Big Mountain	2.32	251	Pn	Pn	16 12 04.7 -0.3
SCM	Sheep Creek Mo	2.40	45	Pn	Pn	16 12 06.3 0.0
SCM	Sheep Creek Mo			IAML		16 12 37.0
SCM	Sheep Creek Mo			IAML		16 12 39.9
SCM	Sheep Creek Mo	2.40	45	P	Pn	16 12 06.6 +0.3
SCM	Sheep Creek Mo			S	Sn	16 12 34.3 -0.3
Q23K	Middleton Isla	2.44	106	Pn	Pn	16 12 05.7 -1.0
Q23K	Middleton Isla	2.44	106	P	Pn	16 12 05.8 -1.0
N18K	Kilae Creek	2.50	283	Pn	Pn	16 12 07.1 -0.4
N18K	Kilae Creek	2.50	283	P	Pn	16 12 06.9 -0.6
KAHG	Katmai Hook Gl	2.52	229	Pn	Pn	16 12 08.3 +0.5
KDAG	Kodiak Island	2.57	200	Pn	Pn	16 12 07.9 -0.6
KDAG	Kodiak Island			IAML		16 12 52.7
KDAG	Kodiak Island	2.57	200	Pn	Pn	16 12 36.8 -1.9
KDAG	Kodiak Island	2.57	200	Pn	Pn	16 12 08.1 -0.3
KDAG	Kodiak Island			S	Sn	16 12 34.7 -3.9
KDAG	Kodiak Island	2.57	200	P	Pn	16 12 08.1 -0.3
KAHC	Katmai Hardscr	2.60	235	Pn	Pn	16 12 08.9 -0.1
KAHC	Katmai Hardscr	2.60	235	Pn	Pn	16 12 08.9 -0.1
Q18K	Katmai Hardscr	2.60	235	P	Pn	16 12 08.9 0.0
Q18K	Katmai Hardscr			S	Sn	16 12 38.8 -0.7
EYAK	Cordova Ski Ar	2.60	80	Pn	Pn	16 12 07.7 -1.1
EYAK	Cordova Ski Ar	2.60	80	Pn	Pn	16 12 08.0 -0.8
EYAK	Cordova Ski Ar			S	Sn	16 12 38.3 -1.0
EYAK	Cordova Ski Ar	2.60	80	P	Pn	16 12 07.5 -1.3
EYAK	Cordova Ski Ar	2.60	80	P	Pn	16 12 38.2 -1.1
L20K	Farewell, AK	2.69	329	P	Pn	16 12 10.0 0.0
L20K	Farewell, AK	2.69	329	P	Pn	16 12 10.1 0.0
DIV	Divide	2.71	68	Pn	Pn	16 12 09.7 -0.7
M18K	Stony River	2.72	301	Pn	Pn	16 12 09.7 -0.8
M18K	Stony River			S	Sn	16 12 10.5 -1.7
M18K	Stony River	2.72	301	P	Pn	16 12 09.9 -0.6
M18K	Stony River			S	Sn	16 12 40.6 -1.6
L19K	White Mountain	2.75	318	Pn	Pn	16 12 10.6 -0.3

L19K	White Mountain	2.75	318	P	Pn	16 12 10.9 0.0
L19K	White Mountain			S	Sn	16 12 42.5 -0.4
L19K	White Mountain			S	Sn	16 12 42.5 -0.4
PPLA	Purkeypile	2.77	348	Pn	Pn	16 12 11.1 -0.2
PPLA	Purkeypile	2.77	348	Pn	Pn	16 12 11.1 -0.2
PPLA	Purkeypile			S	Sn	16 12 44.0 +0.3
KLU	Klutina	2.78	60	Pn	Pn	16 12 11.0 -0.3
KLU	Klutina	2.78	60	Pn	Pn	16 12 42.9 -0.8
KLU	Klutina	2.78	60	IAML		16 12 45.2
KLU	Klutina			IAML		16 12 45.2
KLU	Klutina	2.78	60	P	Pn	16 12 11.5 +0.2
KLU	Klutina			S	Sn	16 12 42.9 -0.8
WAT7	Susitna Watana	2.82	20	Pn	Pn	16 12 12.0 0.0
WAT6	Susitna Watana	2.84	31	Pn	Pn	16 12 12.7 +0.4
WAT6	Susitna Watana	2.84	31	P	Pn	16 12 12.2 -0.1
WAT6	Susitna Watana			S	Sn	16 12 44.3 -1.1
WAT1	Susitna Watana	2.87	22	Pn	Pn	16 12 13.6 +0.9
WAT1	Susitna Watana	2.87	22	P	Pn	16 12 12.6 0.0
P17K	Kvichak River	2.96	252	Pn	Pn	16 12 13.9 +0.2
P17K	Kvichak River	2.96	252	P	Pn	16 12 14.0 +0.2
M24K	Tolsona, Glenn	3.00	48	Pn	Pn	16 12 14.5 +0.2
M24K	Tolsona, Glenn	3.00	48	Pn	Pn	16 12 50.2 +1.2
M24K	Tolsona, Glenn			IAML		16 12 53.2
M24K	Tolsona, Glenn			IAML		16 13 01.4
M24K	Tolsona, Glenn	3.00	48	P	Pn	16 12 15.2 +0.9
M24K	Tolsona, Glenn			S	Sn	16 12 49.3 +0.2
ACHA	Angle Creek He	3.01	230	Pn	Pn	16 12 14.4 -0.1
GOAT	Goat Mountain	3.11	90	Pn	Pn	16 12 14.0 -1.8
N17K	Nushagak Hills	3.12	279	Pn	Pn	16 12 14.8 -1.1
N17K	Nushagak Hills			IAML		16 13 08.0
N17K	Nushagak Hills	3.12	279	P	Pn	16 12 15.3 -0.6
O17K	Koliganek Bris	3.12	265	Pn	Pn	16 12 15.6 -0.3
RAGM	Ragged Mountai	3.12	84	Pn	Pn	16 12 16.0 0.0
O17K	Contact Creek	3.20	335	P	Pn	16 12 17.1 0.0
R18K	Kariuk	3.21	216	Pn	Pn	16 12 17.3 +0.1
R18K	Kariuk	3.21	216	P	Pn	16 12 17.3 +0.1
KJL	Kejulik	3.22	330	Pn	Pn	16 12 18.1 +0.9
BMRM	Bremner River	3.22	73	Pn	Pn	16 12 16.7 -1.3
BMRM	Bremner River	3.22	73	P	Pn	16 12 16.5 -0.8
OHAK	Old Harbor	3.23	203	Pn	Pn	16 12 16.4 -1.0
OHAK	Old Harbor	3.23	203	P	Pn	16 12 16.7 -0.8
OHAK	Old Harbor			IAML		16 12 16.6 -0.8
OHAK	Old Harbor			IAML		16 12 17.3 -0.7
OHAK	Old Harbor			IAML		16 13 13.7
CAST	Castle Rocks	3.27	351	Pn	Pn	16 12 17.8 -0.3
TRF	Thorofore Moun	3.27	5	Pn	Pn	16 12 18.9 +0.7
TRF	Thorofore Moun			IAML		16 13 13.4
TRF	Thorofore Moun			IAML		16 13 19.8
TRF	Thorofore Moun	3.27	5	P	Pn	16 12 17.7 -0.4
KAIM	Kayak Island	3.28	92	IAML		16 12 17.8 -0.3
KAIM	Kayak Island	3.28	92	IAML		16 12 59.2
KAIM	Kayak Island			IAML		16 13 01.1
KAIM	Kayak Island	3.28	92	Pn	Pn	16 12 17.8 -0.3
KAIM	Kayak Island			Pn	Pn	16 12 17.8 -0.3
Q16K	King Salmon	3.30	245	Pn	Pn	16 12 18.6 +0.4
Q16K	King Salmon	3.30	245	P	Pn	16 12 18.7 +0.4
HMT	Hamilton	3.33	85	IAML		16 12 17.6 -1.2
HMT	Hamilton	3.33	85	IAML		16 13 12.4
DHY	Denali Highway	3.35	29	Pn	Pn	16 12 19.7 +0.5
DHY	Denali Highway	3.35	29	Pn	Pn	16 12 19.4 +0.3
KTH	Kantishna Hill	3.36	0	Pn	Pn	16 12 20.2 +0.9
KTH	Kantishna Hill			IAML		16 13 19.4
KTH	Kantishna Hill			IAML		16 13 19.5
KTH	Kantishna Hill			IAML		16 13 19.5
RND	Reindeer	3.37	16	Pn	Pn	16 12 20.4 +1.1
N25K	Chitina, Valde	3.40	63	IAML		16 12 19.7 -0.1
N25K	Chitina, Valde			IAML		16 13 00.2
N25K	Chitina, Valde			IAML		16 13 00.3
N25K	Chitina, Valde	3.40	63	P	Pn	16 12 19.9 +0.1
M17K	Hoitna River	3.40	293	Pn	Pn	16 12 18.9 -0.8
M17K	Hoitna River			IAML		16 13 20.3
M17K	Hoitna River			IAML		16 13 24.2
M17K	Hoitna River	3.40	293	P	Pn	16 12 19.4 -0.4
L18K	Granite Mounta	3.44	309	Pn	Pn	16 12 19.6 -0.7
L18K	Granite Mounta			IAML		16 13 26.5
L18K	Granite Mounta			IAML		16 12 19.8 -0.5
N18K	Nichawak Mount	3.48	86	Pn	Pn	16 12 19.7 -1.1
K20K	Telida	3.50	336	Pn	Pn	16 12 20.9 -0.2
K20K	Telida	3.50	336	P	Pn	16 12 21.0 0.0
HARP	HAARP	3.56	49	Pn	Pn	16 12 22.4 +0.6
SUCK	Suckling Hills	3.58	89	Pn	Pn	16 12 21.9 -0.4
SUCK	Suckling Hills	3.58	89	IAML		16 13 05.1
BERG	Berg Lake	3.61	84	Pn	Pn	16 12 21.1 -1.4
BERG	Berg Lake	3.61	84	IAML		16 13 02.8
O16K	Kokwok River B	3.66	263	Pn	Pn	16 12 22.9 -0.3
O16K	Kokwok River B	3.66	263	IAML		16 13 22.0
O16K	Kokwok River B			IAML		16 13 22.3
O16K	Kokwok River B	3.66	263	P	Pn	16 12 23.1 -0.1
MCK	McKinley	3.67	14	Pn	Pn	16 12 24.4 +1.0
MCK	McKinley	3.67	14	Pn	Pn	16 12 23.6 +0.2
GLB	Gilahina Butte	3.71	67	Pn	Pn	16 12 23.3 -0.

Table with columns: ICAO, Name, Lat, Lon, Alt, Type, Status, Time, etc. Includes stations like Karang Pucung, Yeheng, Lembang, NAWAO Narogin (SRO), RAO Raoul Island, etc.

Table with columns: ICAO, Name, Lat, Lon, Alt, Type, Status, Time, etc. Includes stations like LZH, PETK Petropavlovsk, PETK, SHEM Shemya Is, BRDH Baridhala, etc.

Table with columns: ICAO, Name, Lat, Lon, Alt, Type, Status, Time, etc. Includes stations like NEW Newport, PFO Pinoy Flats O, YKA Yellowknife Ar, YKA, etc.

NEIC 09 17:15:44.1±2.0, 177:9S:0.1±177:9W:0.1, h485km, gkm, mb4.6/64, Error ellipse: s-maj=19.6km s-min=16.8km az=123.0

NOU 09 17:15:47.8, 17:91S:178:04W, h527km, mb4.4/42, Fiji Islands Region

ISC 09 17:15:49.4±0.4, 18:02S:0:06±178:11W±0:06, h55km, n406, e113/393, mb4.5/47, LC-6D, Fiji Islands region

Table with columns: Code, Station Name, Lat, Lon, Alt, Type, Status, Time, Res. Includes stations like LKBA Tabou, LAKemba, TAVE Taveuni, etc.

9d 17h

AS31	comp=Z,13nm,0.7s	I	Amb	I	Amb	17 23 17.6
ASAR	Alice Springs comp=Z,33nm,0.4s,baz=89,slow=7,SNR=1526	45.04	254	P	P	17 23 17.1 +0.4
ASAR	comp=Z,0.7nm,0.5s,baz=92,slow=4.0,SNR=2.4			P	P	17 24 45.8 -0.1
ASAR	comp=Z,3.2nm,0.8s,baz=93,slow=15,SNR=5.3			S	S	17 29 15.7 -0.2
KDU	Kakao	47.84	269	P	P	17 23 38.7 +0.8
WRKA	Warakurna	50.08	252	P	P	17 23 54.9 +0.4
FORT	Forrest	50.22	245	P	P	17 23 55.6 +0.3
FORT	comp=Z,27nm,1.0s			I	Amb	17 24 26.7
FORT	Forrest	50.22	245	P	P	17 23 55.6 +0.3
KNRA	Kunumurra	50.76	264	P	P	17 24 00.4 +1.0
KNRA	comp=Z,0.8nm,0.3s,baz=82,slow=6.2,SNR=8.0			I	Amb	17 24 20.7
FITZ	Fitzroy Crossi	53.29	261	P	P	17 24 19.3 +1.7
FITZ	comp=Z,0.8nm,0.3s,baz=82,slow=6.2,SNR=8.0			P	P	17 24 20.7
SOEI	Soe	56.36	270	P	P	17 24 39.8 +0.6
SOEI	comp=Z,1.6nm,0.6s			I	Amb	17 25 22.9
MJAR	Matsushiro Arr	68.16	323	P	P	17 25 55.1 0.0
MJAR	comp=Z,3.6nm,0.6s,baz=154,slow=5.8,SNR=10			P	P	17 25 55.1 0.0
MAJO	Matsushiro	68.17	323	P	P	17 25 54.4 -0.7
MAJO	comp=Z,8.6nm,0.7s			I	Amb	17 25 55.8
MJB9	Matsu-Tunnel	68.17	323	P	P	17 25 55.1 0.0
MJB9	comp=Z,8.4nm,0.7s			I	Amb	17 25 56.8
KIWB	Kanaga Island	69.57	1	P	P	17 26 03.0 -0.2
ADK	Adak	69.61	1	P	P	17 26 02.8 -0.5
ATKA	Atka Island	70.00	3	P	P	17 26 05.0 -0.7
ATKA	comp=Z,29nm,1.0s			I	Amb	17 26 33.5
JKA	Kamikawa-asahi	71.51	331	P	P	17 26 16.8 +0.2
QSPA	South Pole Qui	72.04	180	P	P	17 26 20.1 +2.4
QSPA	comp=Z,1.1nm,0.7s,baz=90,slow=1.0,SNR=9.0			P	P	17 26 19.4 +1.6
YULB	Yu-li	72.07	303	P	P	17 26 17.7 -0.8
YULB	comp=Z,1.7nm,0.5s			I	Amb	17 26 50.1
NACB	Ninganchiao	72.21	304	P	P	17 26 19.2 -0.1
NACB	comp=Z,3.2nm,1.2s			I	Amb	17 26 35.3
UNV	Unalaska Valle	72.26	7	P	P	17 26 18.5 -0.4
UNV	comp=Z,29nm,1.2s			I	Amb	17 26 57.4
SSLB	Suenglung	72.53	303	P	P	17 26 21.0 -0.3
PETK	Petrovsk	73.86	345	P	P	17 26 27.3 -0.8
PETK	comp=Z,4.9nm,0.7s,baz=104,slow=8.9,SNR=10			P	P	17 26 27.3 -0.8
KSR5	Korea Array	74.97	318	P	P	17 26 35.9 +1.2
KSR5	comp=Z,1.1nm,0.7s,baz=130,slow=6.1,SNR=8.8			P	P	17 26 35.9 +1.2
USRK	Ussuriysk Ar.	76.86	326	P	P	17 26 45.8 +0.8
USRK	comp=Z,1.7nm,0.7s,baz=148,slow=6.7,SNR=2.6			P	P	17 26 45.8 +0.8
R16K	Pilot Point	77.22	11	P	P	17 26 47.1 +0.6
R16K	comp=Z,1.7nm,0.7s			I	Amb	17 26 47.1 +0.6
OHAK	Old Harbor	77.77	14	P	P	17 26 50.1 +0.5
OHAK	comp=Z,1.4nm,1.0s			I	Amb	17 26 50.1 +0.5
Q17K	Contact Creek	78.19	12	P	P	17 26 52.1 +0.1
Q17K	comp=Z,1.4nm,1.0s			I	Amb	17 26 52.1 +0.1
O14K	Tiguykaiuvet R	78.22	9	P	P	17 26 52.3 +0.4
O14K	comp=Z,1.4nm,1.0s			I	Amb	17 26 52.3 +0.4
O15K	Ungalikhuk R	78.36	9	P	P	17 26 52.6 -0.1
O15K	comp=Z,1.4nm,1.0s			I	Amb	17 26 52.6 -0.1
YBH	Yreka Blue Hor	78.43	39	P	P	17 26 54.3 +0.7
YBH	comp=Z,1.5nm,0.6s,baz=188,slow=7.1,SNR=1.9			P	P	17 26 54.3 +0.7
KDAK	Kodiak Island	78.44	14	P	P	17 26 53.6 +0.4
KDAK	comp=Z,1.5nm,0.6s			I	Amb	17 26 53.6 +0.4
MDJ	Mudanjiang	78.44	325	P	P	17 26 54.6 +1.2
MDJ	comp=Z,1.4nm,1.0s			I	Amb	17 26 56.8
P16K	Nushagak River	78.53	10	P	P	17 26 54.0 +0.4
P16K	comp=Z,1.4nm,1.0s			I	Amb	17 26 54.0 +0.4
Q18K	Katmai Hardscr	78.72	12	P	P	17 26 55.6 +0.7
Q18K	comp=Z,1.4nm,1.0s			I	Amb	17 26 55.6 +0.7
N14K	Kuskokwak Cree	78.80	8	P	P	17 26 55.6 +0.5
N14K	comp=Z,1.4nm,1.0s			I	Amb	17 26 55.6 +0.5
P17K	Kvichak River	78.96	11	P	P	17 26 56.3 +0.4
P17K	comp=Z,1.4nm,1.0s			I	Amb	17 26 56.3 +0.4
O16K	Kokwok River B	79.04	10	P	P	17 26 56.0 -0.4
O16K	comp=Z,1.4nm,1.0s			I	Amb	17 26 56.0 -0.4
N15K	Kwethluk River	79.27	9	P	P	17 26 57.9 +0.4
N15K	comp=Z,1.4nm,1.0s			I	Amb	17 26 57.9 +0.4
P18K	Big Mountain,	79.37	12	P	P	17 26 58.0 -0.1
P18K	comp=Z,1.4nm,0.8s			I	Amb	17 26 59.0
P18K	Big Mountain,	79.37	12	P	P	17 26 58.2 +0.1
P18K	comp=Z,1.4nm,0.8s			I	Amb	17 26 58.2 +0.1
O17K	Koliganek Bris	79.38	11	P	P	17 26 58.6 +0.5
O17K	comp=Z,1.4nm,0.8s			I	Amb	17 26 58.6 +0.5
M14K	Bethel	79.57	8	P	P	17 26 59.3 +0.3
M14K	comp=Z,1.4nm,0.8s			I	Amb	17 26 59.3 +0.3
M15K	Kasigluk River	79.69	9	P	P	17 27 00.5 +0.8
M15K	comp=Z,1.4nm,0.8s			I	Amb	17 27 00.5 +0.8
N16K	Nishliik Lake	79.76	10	P	P	17 27 00.9 +0.7
N16K	comp=Z,1.4nm,0.8s			I	Amb	17 27 00.9 +0.7
O18K	Koktuh Hills	79.80	12	P	P	17 27 00.6 +0.2
O18K	comp=Z,1.7nm,0.7s			I	Amb	17 27 01.5
O18K	Koktuh Hills	79.80	12	P	P	17 27 00.9 +0.6
O18K	comp=Z,1.7nm,0.7s			I	Amb	17 27 00.9 +0.6
L14K	Kuka Creek	80.05	7	P	P	17 27 02.5 +1.0
L14K	comp=Z,1.4nm,0.8s			I	Amb	17 27 02.5 +1.0
N17K	Nushagak Hills	80.07	10	P	P	17 27 02.5 +0.7
N17K	comp=Z,1.4nm,0.8s			I	Amb	17 27 02.5 +0.7
M16K	Timber Creek	80.25	9	P	P	17 27 03.5 +0.8
M16K	comp=Z,1.4nm,0.8s			I	Amb	17 27 03.5 +0.8
O19K	Port Alsworth	80.29	12	P	P	17 27 03.8 +0.5
O19K	comp=Z,2.0nm,0.7s			I	Amb	17 27 03.8 +0.5
O19K	Port Alsworth	80.29	12	P	P	17 27 02.8 -0.4
O19K	comp=Z,2.0nm,0.7s			I	Amb	17 27 03.9
ILSW	Iliamna Southw	80.33	12	P	P	17 27 02.8 -0.4
ILSW	comp=Z,1.3nm,0.7s			I	Amb	17 27 03.9
K13K	Kusilvak Mount	80.39	6	P	P	17 27 03.9 +0.5
K13K	comp=Z,1.3nm,0.7s			I	Amb	17 27 03.9 +0.5
N18K	Klatae Creek	80.44	11	P	P	17 27 04.1 +0.3
N18K	comp=Z,1.3nm,0.7s			I	Amb	17 27 04.1 +0.3
L15K	Ungalak Mounta	80.52	8	P	P	17 27 05.1 +1.1
L15K	comp=Z,1.3nm,0.7s			I	Amb	17 27 05.1 +1.1
O20K	Slope Mountain	80.53	13	P	P	17 27 04.8 +0.5
O20K	comp=Z,1.3nm,0.7s			I	Amb	17 27 04.8 +0.5
BRSE	Bradley Lake S	80.62	14	P	P	17 27 04.7 +0.1
BRSE	comp=Z,1.3nm,0.7s			I	Amb	17 27 04.7 +0.1
N19K	Bonanza Creek	80.83	11	P	P	17 27 05.6 -0.2
N19K	comp=Z,1.3nm,0.7s			I	Amb	17 27 05.6 -0.2
L16K	Owhat River	80.83	9	P	P	17 27 05.8 +0.2
L16K	comp=Z,1.3nm,0.7s			I	Amb	17 27 05.8 +0.2
M17K	Holitna River	80.86	10	I	Amb	17 27 08.5
M17K	comp=Z,1.3nm,0.9s			I	Amb	17 27 08.5
M17K	Holitna River	80.86	10	P	P	17 27 07.3 +1.5
M17K	comp=Z,1.3nm,0.9s			I	Amb	17 27 07.3 +1.5
R11B	Troy Canyon, C	80.87	45	P	P	17 27 08.9 +1.2
R11B	comp=Z,1.3nm,0.9s			I	Amb	17 27 08.9 +1.2
K15K	Wolf Creek Mou	81.11	8	P	P	17 27 08.8 +1.7
K15K	comp=Z,1.3nm,0.9s			I	Amb	17 27 08.8 +1.7
M18K	Stony River	81.21	11	P	P	17 27 08.1 +0.4
M18K	comp=Z,1.3nm,0.9s			I	Amb	17 27 08.1 +0.4
SEW	Seward	81.24	14	P	P	17 27 10.1 +0.3
SEW	comp=Z,1.3nm,0.9s			I	Amb	17 27 10.1 +0.3
L17K	Donlin	81.41	9	P	P	17 27 10.3 +1.7
L17K	comp=Z,1.3nm,0.9s			I	Amb	17 27 10.3 +1.7
O22K	Cooper Landing	81.52	14	P	P	17 27 09.6 +0.4
O22K	comp=Z,1.3nm,0.9s			I	Amb	17 27 09.6 +0.4
GAMB	Gambell	81.68	3	P	P	17 27 10.2 +0.2
GAMB	comp=Z,1.3nm,0.9s			I	Amb	17 27 10.2 +0.2
L18K	Granite Mounta	81.75	10	I	Amb	17 27 12.6
L18K	comp=Z,1.3nm,0.9s			I	Amb	17 27 12.6
L18K	Granite Mounta	81.75	10	P	P	17 27 11.9 +1.5
L18K	comp=Z,1.3nm,0.9s			I	Amb	17 27 11.9 +1.5
K17K	Iditarod	81.97	9	P	P	17 27 11.9 +0.5
K17K	comp=Z,1.3nm,0.9s			I	Amb	17 27 11.9 +0.5
L19K	White Mountain	82.03	11	P	P	17 27 13.0 +1.1
L19K	comp=Z,1.3nm,0.9s			I	Amb	17 27 13.0 +1.1
RC01	Rabbit Creek A	82.06	13	P	P	17 27 11.7 -0.3
RC01	comp=Z,1.3nm,0.9s			I	Amb	17 27 11.7 -0.3
M20K	Styx River	82.07	12	P	P	17 27 12.6 +0.5
M20K	comp=Z,1.3nm,0.9s			I	Amb	17 27 12.6 +0.5
PWL	Port Wells	82.17	14	P	P	17 27 12.3 -0.3
PWL	comp=Z,1.3nm,0.9s			I	Amb	17 27 12.3 -0.3

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J16K	Anvik River	82.19	8	P	P	17 27 13.3 +0.7
J16K	comp=Z,1.3nm,0.9s			I	Amb	17 27 13.3 +0.7
U15A	North Rim	82.38	48	P	P	17 27 16.6 +2.0
U15A	comp=Z,1.3nm,0.9s			I	Amb	17 27 16.6 +2.0
SKT	Skwentna	82.48	12	P	P	17 27 14.4 +0.3
SKT	comp=Z,1.3nm,0.9s			I	Amb	17 27 14.4 +0.3
L20K	Forewell, AK	82.48	11	P	P	17 27 14.5 +0.3
L20K	comp=Z,1.3nm,0.9s			I	Amb	17 27 14.5 +0.3
GLI	Glacier Island	82.48	15	P	P	17 27 14.7 +0.6
GLI	comp=Z,1.3nm,0.9s			I	Amb	17 27 14.7 +0.6
J17K	YAB Dome	82.50	9	P	P	17 27 14.5 +0.4
J17K	comp=Z,1.3nm,0.9s			I	Amb	17 27 14.5 +0.4
EYAK	Cordova Ski Ar	82.53	15	P	P	17 27 15.6 +1.2
EYAK	comp=Z,1.3nm,0.9s			I	Amb	17 27 15.6 +1.2
M22K	Willow	82.57	13	P	P	17 27 15.1 +0.6

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FINES, AKASG, EKA, SORM, BNN, VLDR, BURB, BURAR, GHRH, TESR, BR131, BRTR, KIRS, CFR, ONER, EMR, ARCR, TURR, CLL, CLM, COVR, STEB, DOPC, BRG, KRCL, MORAV, MOPR, DOVR, PVCC, MLR, HSKC, MMAL, MARR, PRU, DRGR, WRAC, JAVC, PSZ, ARR, KRUC, SIRR, PSHC, GZR, SURR, CKRC, GECC, GERC, BZS, CONA, RONA, MOA, BIAO, LESA, BOVS, WATA, OBKA, WTTA, MOTA, MYKA, SQTA, ABTA, DAVA, FETA, FUORN, TORD.

DJA 09 17:22:14.7, 0.2, S, 2.13, 4E, h10km, M4.7/18, mB5.2/6, mb4.8/19, MLV4.8/21, Mw(MB)4.6/6
NEIC 09 17:22:20.1, 1.9, 0.1, 133.7, 5E, 0.07, h44km, 10km, mb4.4/20, Error ellipse: s-maj=16.0km s-min=10.1km az=164.0

IDC 09 17:22:20.1, 2.3, 2.0, 0.0, 133.6, 6E, h57km, 23km, mb3.7/9, mbmp4.2/15, ML4.4/5, MS3.6/7, Error ellipse: s-maj=17.5km s-min=11.2km az=76.0

ISC 09 17:22:14.3, 1.3, 1.7, 5S, 0.04, 133.8E, 0.04, h8km, 6km, n77, c191/83, mb4.3/14, MS3.6/3, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like RANSI, KAIMA, FAKI, BAKI, SERUI, SORONG, BANDAN, SMIPI, MSAI, AAI, GENI, JAY, NLAI, SANI, TABU, KDU, DRS, LUWU, MTN, DAV, APSI, SOEI, BATI, TOLJ, MMRI, KAPI.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KAPI, KNRA, KOEN, PMG, PMG, PMG, WBO, WRAB, WRA, WB2, WB2, WB1, FITZ, FITZ, FITZ, GUMO, QIS, ASO1, AS31, ASAR, ASAR, CTA, CTA, MBWA, WRKA, PSK00, KPJI, QLP, QLM, JOW, STKA, STKA, STKA, SONM, YAK, MK31, MKAR, MKAR, MAKZ, MAKZ, KURK, KURB, GAR, BVAR, GSPA.

SOME 09 17:31:57.8, 4.1, 0.5, 1.0, 147.6, 6E, h5km
KRNET 09 17:31:57.7, 0.1, 3.9, 76N, 74.5E, h11km, mb2.1, 8C-6D, Southern Xinjiang

IDC 09 17:35:40.3, 0.9, 4.5, 0.0, 147.6, 6E, h0km, mb4.1/14, mbmp4.1/15, ML2.0/1, MS3.9/47, Error ellipse: s-maj=30.1km s-min=10.9km az=109.0

NEIC 09 17:35:40.1, 2.0, 4.6, 3.0, 0.0, 147.9, 2E, 0.10, h10km, 1km, mb4.7/20, Error ellipse: s-maj=16.4km s-min=9.1km az=264.0

GCMT 09 17:35:45.2, 0.3, 4.5, 1.0, 0.0, 147.8, 2E, 0.02, h12km, Mw(M4) 4.6/6, Moment Tensor Solution, s12, c12, s90, c126; Duration: 0. Moment tensor: Scale 10^16Nm; Mr=0.36; 0.08; Mw=0.99; 0.7; Ms=1.35; 0.8; Ml=1.13; 2.1; Ms=1.76; 0.5; Mn=0.28; 2.1; Best double couple: M2, 4.2700x10^16; NP1=164.00000, 860.00000, -173.00000; NP2=71.00000, 884.00000, -130.00000; Principal axes: T 2.5200, Plg16.0000, Azm121.0000; N -0.1840, Plg60.0000, Azm241.0000; P -2.3350, Plg25.0000, Azm24.0000; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 09 17:35:51.5, 1.2, 5.3, 14.7E, h29km, 10km, M4.8/35, mb4.4/20, mB5.3/6, MLV4.9/3, Mw(MB)4.8/6

ISC 09 17:35:41.6, 0.5, 4.5, 8S, 0.06, 148.0E, 0.08, h10km, n117, c1888/77, mb4.5/30, MS4.0/48, C, Bismarck Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MANU, RABU, PMG, RAROT, CHIANG, XAN, XAN, RAROT, CHIANG, XAN, XAN.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, JAY, JAY, GENI, SMIPI, COEN, COEN, MTSU, FAKI, SWI, KDU, KDU, BNDI, BNDI, MTN, MTN, MSAI, MASO, WBO, WRAB, WRAB, WRA, WRA, LBMI, EIDS, EIDS, NAMI, NAMI, TMTI, TMTI, KNRA, KNRA, SANI, SANI, ASO1, ASO1, ASAR, ASAR, ASAR, ASAR, INKA, INKA, SOEI, SOEI, KMSI, KMSI, BATI, BATI, DZM, DZM, DZM, DZM, DZM, DZM, LUWI, LUWI, LUWI, LUWI, OOD, OOD, APSI, APSI, LCRK, LCRK, WRKA, WRKA, STKA, STKA, STKA, STKA, KAPI, KAPI, TTSI, TTSI, FORST, FORST, MSFV, MSFV, MEEK, MEEK, JEW, JEW, KLBR, KLBR, BLEU, BLEU, NWAO, NWAO, URZI, URZI, MDSI, MDSI, QIZ, QIZ, QIZ, QIZ, NJ2, NJ2, KRSR, KRSR, ASAJ, ASAJ, USRK, USRK, LYN, LYN, LYN, LYN, LYN, LYN, KMI, KMI, KMI, KMI, XAN, XAN, XAN, XAN, CMAR, CMAR, CMAR, CMAR.

IDC 09 17:35:40.3, 0.9, 4.5, 0.0, 147.6, 6E, h0km, mb4.1/14, mbmp4.1/15, ML2.0/1, MS3.9/47, Error ellipse: s-maj=30.1km s-min=10.9km az=109.0

NEIC 09 17:35:40.1, 2.0, 4.6, 3.0, 0.0, 147.9, 2E, 0.10, h10km, 1km, mb4.7/20, Error ellipse: s-maj=16.4km s-min=9.1km az=264.0

GCMT 09 17:35:45.2, 0.3, 4.5, 1.0, 0.0, 147.8, 2E, 0.02, h12km, Mw(M4) 4.6/6, Moment Tensor Solution, s12, c12, s90, c126; Duration: 0. Moment tensor: Scale 10^16Nm; Mr=0.36; 0.08; Mw=0.99; 0.7; Ms=1.35; 0.8; Ml=1.13; 2.1; Ms=1.76; 0.5; Mn=0.28; 2.1; Best double couple: M2, 4.2700x10^16; NP1=164.00000, 860.00000, -173.00000; NP2=71.00000, 884.00000, -130.00000; Principal axes: T 2.5200, Plg16.0000, Azm121.0000; N -0.1840, Plg60.0000, Azm241.0000; P -2.3350, Plg25.0000, Azm24.0000; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 09 17:35:51.5, 1.2, 5.3, 14.7E, h29km, 10km, M4.8/35, mb4.4/20, mB5.3/6, MLV4.9/3, Mw(MB)4.8/6

ISC 09 17:35:41.6, 0.5, 4.5, 8S, 0.06, 148.0E, 0.08, h10km, n117, c1888/77, mb4.5/30, MS4.0/48, C, Bismarck Sea

9d 18h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PanZhiHua, Hu-ho-hao-te, Petropavlovsk, etc.

IDC 09 17:42:37.0, 127:24:45.52E, h0km, mb3.9/12, mbtmp3.9/13, ML4.3/2, Error ellipse: s-maj=23.9km s-min=19.4km

NEIC 09 17:42:38.7, 1.6, 127:27:07.45, 26E:0.10, h10km, 1km, mb4.2/9, Error ellipse: s-maj=18.6km s-min=7.1km az=302.0

ISC 09 17:42:37.0, 5.1, 12:82S:0.05, 45:35E:0.06, h10km, n33, z=267/38, mb4.0/16, Northwest of Madagascar

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Ambohidratompo, Ambohimpanom, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Chuyangarr, Karatay Array, etc.

IDC 09 17:50:37.1, 1.5, 23:29S:178.64W, h0km, mb4.1/4, mbtmp4.1/4, Error ellipse: s-maj=44.1km s-min=35.0km az=9.0

ISC 09 17:50:41.4, 1.6, 23:25S:178.6W:0.3, h35km, n7, mb4.1/4, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Stephens Creek, Alice Springs, etc.

NEIC 09 17:55:26.7, 2.9, 38:56S:0.06, 68:5W:0.2, h1km, 10km, MW4.0/14, Error ellipse: s-maj=23.2km s-min=8.2km

SJA 09 17:55:31.6, 0.8, 38:51S:68.91W, h12km, 11km, ML4.1, MW3.9

ISC 09 17:55:26.5, 1.7, 38:59S:0.03, 68:51W:0.06, h2km, 15km, n36, e187/41, Northern Argentina

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Caviahue, Curarrehue, etc.

RFA San Rafael, 3.81, 1.1, Error ellipse: s-maj=37.7km s-min=37.7km

LL03 Petrohue, 3.93, 228, Error ellipse: s-maj=56.27 km s-min=56.27 km

BO02 Sierra Bellavi, 4.50, 334, Error ellipse: s-maj=56.30 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

LL04 Puerto Octay, 3.80, 231, Error ellipse: s-maj=56.26 km s-min=56.30 km

550

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like L6CM DU BONNET, Pinedale Array, etc.

TRN 09 18:27:31.5, 10:68N:62:94W, h138km, MD3.7, Venezuela

FUNV 09 18:27:31.6, 10:71N:62:91W, h153km, MW4.0

ISC 09 18:27:26.1, 1.6, 10:64N:0:06, 62:95W:0.05, h172km, 13km, n20, z=28/39, 3C-5D, Near coast of Venezuela

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Cumana_UDO, Mucurapo Girls, etc.

MOS 09 18:36:22.1, 1.1, 45:17N:146:74E, h198km, mb4.2/2, Error ellipse: s-maj=15.2km s-min=10.5km az=90.4

SKHL 09 18:36:22.6, 0.1, 44:30N:146:90E, h189km, 6km, mb4.8/5, msha5.5/3

IDC 09 18:36:24.4, 1.4, 45:18N:146:69E, h203km, 13km, mb3.2/14, mbtmp3.7/19, MS3.6/1, Error ellipse: s-maj=18.1km s-min=13.3km az=144.0

JMA 09 18:36:24.3, 0.5, 45:15N:146:74E, h196km, MV4.1/28, NEAR ETOPOU FLAND

ISC 09 18:36:22.2, 0.6, 44:36N:0:05, 146:84E:0.05, h193km, 5km, n50, z=153/75, mb3.4/16, 1C-1D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Kuril'sk, Curarrehue, etc.

PETK Petropavlovsk, 10.82, 37, Error ellipse: s-maj=5.7km s-min=18.5km s-nr=7.5

JUNU Nakatsubo, 17.09, 232, Error ellipse: s-maj=1.82km s-min=1.48km s-nr=14

SEY Seymchan, 18.29, 8, Error ellipse: s-maj=1.3km s-min=1.44km s-nr=4.3

YAK Yakutsk, 19.80, 336, Error ellipse: s-maj=4.7km s-min=12.5km s-nr=6.2

YAK Yakutsk, 19.80, 336, Error ellipse: s-maj=4.7km s-min=12.5km s-nr=6.2

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like LWLI, MDSI, MEEK, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like BBOO, BBOO, BBOO, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, Date, Time, and other parameters. Includes stations like LYN, LYN, LYN, etc.

Nm: M=0.89±0.09; M=0.13±0.09; M=0.22±0.07; M=0.24±0.28; M=0.09±0.07; M=0.10±.24; Best double couple: M=2.070000x1016 NP1=302.00000°, δ77.00000°, λ-167.00000°. NP2=209.00000°, δ78.00000°, λ-13.00000°. Principal axes: T 2.4730, P1g1.0000°, Azm256.0000°, N -0.8040, P1g2.0000°, Azm347.0000°; P -1.6670, P1g18.0000°, Azm165.0000°; nst41 refers to body waves, cutoff=40s. nst42 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

Table with columns: Code, Station Name, Δ, AZ, Phase, ISC, Time, Res. Includes stations like Tubuai, Nuku Hiva Isla, Papeete2, etc.

WEL 09 19:11:08.5±0.9, 32°S±13°18'0E±3'4, h300km±21km, M4.4/12, mB4.8/7, MLV4.9/12, Mw(mB)4.0/9 Error ellipse: s-maj=47.7km s-min=5.0km az=110.0, Kermadec Islands region

Table with columns: Code, Station Name, Δ, AZ, Op, Phase, ISC, Time, Res. Includes stations like Green Lake, Matakaoa Point, Te Kaha, etc.

NEIC 09 19:23:07.6±1.8, 32°62'S±0°08'80"E±0'2, h10km±1km, mb4.7/28, Error ellipse: s-maj=28.3km s-min=6.9km az=114.0

ICC 09 19:23:08.1±0.6, 32°42'S±80°02'E, h0km, mb4.3/16, mbtmp4.3/16, MS3.8/9, Error ellipse: s-maj=19.7km s-min=19.1km az=157.0

ISC 09 19:23:08.0±0.5, 32°55'S±0°09'80"E±0'1, h10km, n72, a=157/56, mb4.6/27, MS3.9/9, AC, Broken Ridge

Large table with columns: Code, Station Name, Δ, AZ, Op, Phase, ISC, Time, Res. Includes stations like Amsterdam Isla, CROZET ISLANDS, etc.

Table with columns: SHL, WNA1, LSA, RAYN, KBL, BTK, WUS, ARSB, AAK, KK31, KKAR, GUMO, MK31, MKAR, MAZK, KURBB, KURK, ABKAR, SONM, SONM, BRTR, BVAR, ZAAO, ZAAO, ZALV, ZALV, TORD, TORD, MJAR, AKAS, ILAR, SCHO, YKA, YKA. Includes station names like Shillong, Neumayer-Stat, Lhasa, etc.

Table with columns: Code, Station Name, Δ, AZ, Op, Phase, ISC, Time, Res. Includes stations like DJA, TNTI, SGGI, SGGI, SGGI, SANAN, MRSI.

ICC 09 19:59:05.2±1.4, 2°60'N, 126°95'E, h0km, mb3.5/6, mbtmp3.5/6, Error ellipse: s-maj=105.3km s-min=17.8km

DJA 09 19:59:10.0±0.3, 2°N±2°12'7"E, h10km, M3.6/7, MLV3.6/7

ISC 09 19:59:12.4±1.1, 2°5N±0°2'126.8"E±0'3, h53km, n9, a=0563/11, mb3.5/5, Northern Molucca Sea

Table with columns: Code, Station Name, Δ, AZ, Op, Phase, ISC, Time, Res. Includes stations like SGGI, SGGI, SGGI, SANAN, MRSI, WRA, ASAR, SONM, MKAR, MKAR, KURBB.

SJA 09 20:05:14.6±1.1, 30°27'S±71°82'W, h10km±5km, ML4.0, MW3.8

GUC 09 20:05:17.5±0.8, 30°17'S±71°68'W, h54km±2km, ML4.2

ICC 09 20:05:19.2±4.2, 30°24'S±71°56'W, h57km±32km, mb4.1/4, mbtmp4.1/7, ML3.9/3, Error ellipse: s-maj=48.2km s-min=21.1km az=107.0

ISC 09 20:05:14.3±1.5, 30°07'S±71°87'W±0'05, h24km±10km, n61, a=184/77, mb4.5/4, 5C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Δ, AZ, Op, Phase, ISC, Time, Res. Includes stations like CO05, CO05, CO05, CO06, CO06, CO06, GO04, GO04, GO04, CO03, CO03, CO03, LCO, LCO, LCO, CO01, CO01, CO01, AC04, AC04, AC04, AROD.

Table with columns: CO04, AC04, AC04, ACCO, ACCO, ACCO, RTLS, VA03, VA03, VA03, VA03, ROCH, ROCH, ROCH, AGUA, AGUA, AGUA, AC06, AC06, AUSP, AUSP, ZON, ZON, ZON, RTLL, RTLL, PEL, PEL, PEL, PEL, MT02, MT02, MT10, MT10, MT05, VCA, VCA, VCA, MT14, MT14, FCH, FCH, MT16, MT16, MT03, MT03, ASAL, ASAL, ASAL, MT04, MT04, MT08, MT08, ARCO, ARCO, ARCO, MT09, MT09, MT01, AVFE, AVFE, AVFE, MT13, AAGR, LME, BO04, ACLC, ACLC, BO01, H03N1, H03N2, H03N3, PLCA, CPUP, LPAZ, SNA, SNA, GSPA, GSPA, DBIC, TORD, WRA, BVAR, KURBB, ZALV, MKAR, MKAR, MKAR, IDC 09 20:07:13.0±1.6, 28°29'N±66°19'E, h0km, mb3.5/10, mbtmp3.6/12, MS3.6/2, MS3.4/12, Error ellipse: s-maj=25.9km s-min=22.4km az=79.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AKTO, KURBB, BVAR, ZALV, CMAR, AKASG, SONM, FINES, KRSR, YAK, MA2, BORG, PETK, WRA, ASAR.

NEIC 09 20:19:25.9; 1.9, 17.4; S:0.2; 177.83W; 0.09, h442km, 13km, mb3.3/12, mltmp4.1/13, Error ellipse: s-maj=23.9km s-min=11.3km az=195.0

IDC 09 20:19:28.6; 1.9, 17.20S; 178.28W, h458km, 19km, mb3.3/12, mltmp4.1/13, Error ellipse: s-maj=22.4km s-min=15.5km az=121.0

ISC 09 20:19:26.6; 0.5, 17.29S; 0.10; 178.0W; 0.11, h440km, n32, r125/34, mb3.9/17, 1C-1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like FUTU, MSVF, AFI, NIUE, RTZ, BKZ, TCW, ARMA, STKA, WRA, AS31, ASAR, MJAR, QSPA, PETK, KRSR, NVAR, BELA, ILAR, PDAR, TROLL, VNA2, SONM, YKA, BVAR, ARCES, BRTR, MMAI, GERES.

DNK 09 20:29:34.8; 2.8, 51.84N; 17.42E, h0km, ML1.9 IPEC 09 20:29:37.4; 0.2, 51.60N; 16.17E, h1km, ML2.74, Error ellipse: s-maj=2.9km s-min=1.7km az=73.0

VIE 09 20:29:37.9; 0.7, 51.58N; 16.44E, h0km, mb2.9/1.1, ml2.9/12, ms3.5/3, Error ellipse: s-maj=4.5km s-min=2.4km az=32.0, Suspected Mining induced.

IDC 09 20:29:38.0; 0.8, 51.57N; 16.01E, h0km, mltmp3.4/7, ML2.8/7, Error ellipse: s-maj=14.7km s-min=8.1km az=114.0

PRU 09 20:29:39.0; 0.51; 56N; 16.08E, h0km ISC 09 20:29:36.2; 0.7, 51.58N; 0.03; 16.11E; 0.02, h0km, n60, r184/114, Poland

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KSP, CHVC, OSTC, UPC, DPC.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PVCC, BRG, KRCL, GOPC, PRU, CLL, HSKC, STEB, MORC, OKK, VRAC, TREC, ZVC, MAUC, KRUC, NKC, OJC, JAVC, KHC, CKRC, GERES, LANS, MODS, NIE, BSD, VYHS, CONA, STHS, RONA, KECS, BIOC, ARSA, BLEU, LESA, KOLS, KOLS, DEL, SOKA, WATA, WATA, OBKA, WTTA, MYKA, MOTA, META, RETA, ABTA, ABTA, SQT, SQT, FETA, FETA, DAVOX, DAVOX.

AKASG Malin Array Be 35.11 319 P 20 14 09.1 +2.1

AKASG comp=Z, 35nm, 19.6s, baz=234, slow=41, 0.2nm, 0.2s

SONM Sogingo Array 36.30 47 P 20 14 17.5 +0.1

SONM comp=Z, 0.9s, baz=248, slow=7.1, SNR=3.7, 0.5nm, 0.9s

FINES FINES Array B 41.81 321 P 20 15 05.5 +2.4

FINES comp=Z, 3.1nm, 1.0s, baz=123, slow=5.1, SNR=3.5, 3.1nm, 1.0s

KRSR Korea Array 51.66 64 LR 20 41 21.6

KRSR comp=Z, 3.4nm, 18.1s, baz=145, slow=40

YAK Yakutsk 52.53 32 LR 20 40 39.7

YAK comp=Z, 7.1nm, 20.4s, baz=280, slow=38

MA2 Magadan 62.89 35 LR 20 47 12.0

MA2 comp=Z, 2.9nm, 21.2s, baz=92, slow=38

BORG Borgarnes 63.09 331 LR 20 46 01.5

BORG comp=Z, 3.0nm, 20.9s, baz=342, slow=37

PETK Petropavlovsk- 68.34 40 LR 20 52 02.3

PETK comp=Z, 5.3nm, 21.2s, baz=300, slow=39

WRA Warrunga Arr 81.88 118 P 20 19 34.6 +1.0

WRA comp=Z, 0.3nm, 0.8s, baz=309, slow=5.0, SNR=2.0, 0.3nm, 0.8s

ASAR Alice Springs 83.67 121 P 20 19 42.1 -0.7

ASAR comp=Z, 0.5nm, 0.9s, baz=302, slow=5.3, SNR=2.6, 0.5nm, 0.9s

NEIC 09 20:19:25.9; 1.9, 17.4; S:0.2; 177.83W; 0.09, h442km, 13km, mb3.3/12, mltmp4.1/13, Error ellipse: s-maj=23.9km s-min=11.3km az=195.0

IDC 09 20:19:28.6; 1.9, 17.20S; 178.28W, h458km, 19km, mb3.3/12, mltmp4.1/13, Error ellipse: s-maj=22.4km s-min=15.5km az=121.0

ISC 09 20:19:26.6; 0.5, 17.29S; 0.10; 178.0W; 0.11, h440km, n32, r125/34, mb3.9/17, 1C-1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PVCC, BRG, KRCL, GOPC, PRU, CLL, HSKC, STEB, MORC, OKK, VRAC, TREC, ZVC, MAUC, KRUC, NKC, OJC, JAVC, KHC, CKRC, GERES, LANS, MODS, NIE, BSD, VYHS, CONA, STHS, RONA, KECS, BIOC, ARSA, BLEU, LESA, KOLS, KOLS, DEL, SOKA, WATA, WATA, OBKA, WTTA, MYKA, MOTA, META, RETA, ABTA, ABTA, SQT, SQT, FETA, FETA, DAVOX, DAVOX.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HFS, FINES, EKA, ARCES, ISN, TEH, ISC.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GLG1, KGS1, ILBA, IGHG, IDHR, IDBR, IDBR, KCHF, ILIN, IKRK, IKRK, IKRK, SNQR, SOEI, SDS1, RAFI, RAFI, HSAM, MAHB, DJA, SOEI, BATI, MMRI, MMRI, BASI, WBSI, WBSI, PLAI.

UCR 09 20:56:33.2; 0.6, 8.24N; 84.31W, h13km, 9km, MW4.8 UCR 09 20:56:36.0; 1.3, 8.35N; 84.22W, h8km, 10km RSNC 09 20:56:38.2; 0.7, 9.6N; 8.4W, h10km, M3.3, mb4.2, ML3.3

ISC 09 20:56:39.2; 1.8, 8.44N; 0.06; 84.17W; 0.05, h10km, 14km, n36, r190/50, 1C, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PIRO, JIME, EDAD, BUSI, DRKO, NELY, NELY, ABE2, PTPM, MLIR3, MLIR3, BRU2, BRU2, VERB, VICA, CVTV, VTR0, DVD, DVD, PRED3, LOCO3, LOCO3, LNBQ3, LNBQ3, PSOM3, PSOM3, GUAL3, GUAL3, CN12, CN12, JTS, CHGR2, CHGR2, MESA3, GMAL, GMAL, GMAL, MAR18, BLUN, ACON, ESPN, CHIT3, AZU, AZU, AZU, POPC, COHC.

UCR 09 21:04:46.7; 1.0, 8.29N; 84.33W, h15km, 5km, MW3.6, 1C-1D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PIRO, EDP2, DRKO, BRU2, VICA, VTR0, CVTV, VTR0, CVTR.

NIED 09 21:18:16.6; 0.34; 58N; 136.85E, h343km, MW3.9, Moment Tensor Solution. Ch3 Moment tensor: Scale 10^14Nm; Mn:0.54; Mw:0.17; Ms:0.37; Mo:0.65; Ms:2.23; Mw:7.92; Fault plane solution: Mb8.26000x10^14 NP1: p2=278.00000, s16.00000, t5.00000. NP2: p183.00000, s89.00000, t106.00000. JMA 09 21:18:16.6; 0.2, 35.1N; 136.9E; 0.9, h343km, 1km, MW3.7/83, ISE BAY REGION IDC 09 21:18:17.1; 0.8, 34.50N; 136.82E, h333km, 7km, mb3.3/13, mltmp4.0/18, Error ellipse: s-maj=13.9km s-min=11.2km az=81.0

10d Oh

SCM	Sheep Creek Mo	1.30	72	P	Pn	00 04 53.6 +0.7
SEW	Seward	1.37	170	P	Pn	00 04 54.5 +0.6
WAT7	Susitna Watana	1.47	20	Pn	Pn	00 04 56.4 +1.0
GLI	Glacier Island	1.49	112	IAML		00 04 56.0 +0.5
GLI	Glacier Island	1.49	112	IAML		00 05 17.2
GLI	Glacier Island	1.49	112	Pn	Pn	00 04 56.0 +0.5
WAT1	Susitna Watana	1.52	24	Pn	Pn	00 04 56.9 +0.9
WAT1	Susitna Watana	1.52	24	Pn	Pn	00 04 56.9 +0.9
WAT6	Susitna Watana	1.53	41	P	Pn	00 04 56.9 +0.7
M20K	Styx River	1.59	287	IAML		00 04 59.0 +2.0
M20K	Styx River	1.59	287	IAML		00 05 21.3
M20K	Styx River	1.59	287	Pn	Pn	00 04 59.0 +2.0
BRLK	Bradley Lake	1.76	196	IAML		00 05 26.0
BRSE	Bradley Lake S	1.77	194	P	Pn	00 04 59.7 +0.4
PPLA	Purkeypille	1.80	325	Pn	Pn	00 05 01.0 +1.2
PPLA	Purkeypille	1.80	325	Pn	Pn	00 05 01.0 +1.2
FID	Port Fidalgo	1.82	111	IAML		00 04 59.7 -0.3
FID	Port Fidalgo	1.82	111	IAML		00 05 24.5
FID	Port Fidalgo	1.82	111	IAML		00 05 28.0
M24K	Tolsona, Glenn	1.90	68	Pn	Pn	00 05 02.8 +1.6
M24K	Tolsona, Glenn	1.90	68	Pn	Pn	00 05 02.8 +1.6
O20K	Slope Mountain	1.91	225	P	Pn	00 05 03.0 +1.6
P23K	Montague Isan	1.92	139	P	Pn	00 05 00.9 -0.4
KLU	Klutina	1.92	87	IAML		00 05 01.9 +0.4
KLU	Klutina	1.92	87	IAML		00 05 27.2
KLU	Klutina	1.92	87	Pn	Pn	00 05 01.9 +0.4
HIN	Hinchinbrook I	1.98	121	IAML		00 05 02.8 +0.6
HIN	Hinchinbrook I	1.98	121	IAML		00 05 38.0
HOM	Homer	1.99	206	Pn	Pn	00 05 04.0 +1.6
HOM	Homer	1.99	206	Pn	Pn	00 05 04.0 +1.6
TRF	Thorofore Moun	2.01	355	IAML		00 05 40.0
TRF	Thorofore Moun	2.01	355	IAML		00 05 40.2
TRF	Thorofore Moun	2.01	355	Pn	Pn	00 05 04.1 +1.3
DHY	Denali Highway	2.02	35	IAML		00 05 03.9 +1.0
DHY	Denali Highway	2.02	35	IAML		00 05 34.8
DHY	Denali Highway	2.02	35	IAML		00 05 34.9
DHY	Denali Highway	2.02	35	Pn	Pn	00 05 03.9 +1.0
RND	Reindeer	2.02	14	IAML		00 05 04.2 +1.3
RND	Reindeer	2.02	14	IAML		00 05 30.0
RND	Reindeer	2.02	14	IAML		00 05 40.5
DIV	Divide	2.03	87	Pn	Pn	00 05 03.5 +0.5
CNPM	China Poot	2.04	199	IAML		00 05 03.7 +0.6
CNPM	China Poot	2.04	199	IAML		00 05 34.1
CNPM	China Poot	2.04	199	IAML		00 05 36.4
L20K	Farewell, AK	2.13	301	Pn	Pn	00 05 05.7 +1.4
L20K	Farewell, AK	2.13	301	Pn	Pn	00 05 05.7 +1.4
KTH	Kantishna Hill	2.16	348	IAML		00 05 06.2 +1.5
KTH	Kantishna Hill	2.16	348	IAML		00 05 34.6
ILSW	Iliamna Southw	2.16	228	IAML		00 05 06.2 +1.4
ILSW	Iliamna Southw	2.16	228	IAML		00 05 53.1
CAST	Castle Rocks	2.21	334	Pn	Pn	00 05 06.6 +1.2
CAST	Castle Rocks	2.21	334	Pn	Pn	00 05 06.6 +1.2
EYAK	Cordova Ski Ar	2.23	112	Pn	Pn	00 05 06.1 +0.5
EYAK	Cordova Ski Ar	2.23	112	Pn	Pn	00 05 06.1 +0.5
N19K	Bonanza Creek	2.30	256	Pn	Pn	00 05 08.1 +1.4
N19K	Bonanza Creek	2.30	256	Pn	Pn	00 05 08.1 +1.4
MCK	McKinley	2.33	11	Pn	Pn	00 05 09.0 +1.9
MCK	McKinley	2.33	11	Pn	Pn	00 05 09.0 +1.9
P19K	Oil Pt	2.44	224	Pn	Pn	00 05 10.2 +1.7
P19K	Oil Pt	2.44	224	Pn	Pn	00 05 10.1 +1.5
HARP	HAARP	2.45	65	Pn	Pn	00 05 10.1 +1.5
HARP	HAARP	2.45	65	Pn	Pn	00 05 10.1 +1.5
L19K	White Mountain	2.45	289	IAML		00 05 10.3 +1.6
L19K	White Mountain	2.45	289	IAML		00 05 53.2
L19K	White Mountain	2.45	289	Pn	Pn	00 05 10.3 +1.6
O19K	Port Alsworth	2.50	242	IAML		00 05 09.3 +0.1
O19K	Port Alsworth	2.50	242	IAML		00 05 47.8
O19K	Port Alsworth	2.50	242	IAML		00 05 57.6
O19K	Port Alsworth	2.50	242	Pn	Pn	00 05 10.1 +0.9
N25K	Chitina, Valde	2.56	84	Pn	Pn	00 05 10.3 +0.1
N25K	Chitina, Valde	2.56	84	Pn	Pn	00 05 51.5
N25K	Chitina, Valde	2.56	84	Pn	Pn	00 05 57.5
N25K	Chitina, Valde	2.56	84	Pn	Pn	00 05 10.6 +0.4
PAX	Paxson	2.58	52	Pn	Pn	00 05 12.5 +1.9
PAX	Paxson	2.58	52	Pn	Pn	00 05 12.5 +1.9
BMRM	Bremner River	2.62	98	Pn	Pn	00 05 11.8 +0.7
BMRM	Bremner River	2.62	98	Pn	Pn	00 05 11.8 +0.7
CHUM	Lake Minchumini	2.68	337	Pn	Pn	00 05 12.9 +1.1
CHUM	Lake Minchumini	2.68	337	Pn	Pn	00 05 12.9 +1.1
Q23K	Middleton Isia	2.69	137	Pn	Pn	00 05 11.1 -0.9
Q23K	Middleton Isia	2.69	137	IAML		00 06 10.8
BPAW	Bear Paw Mtn.	2.70	350	Pn	Pn	00 05 12.9 +0.7
BPAW	Bear Paw Mtn.	2.70	350	Pn	Pn	00 05 12.9 +0.7
K20K	Telida	2.71	317	IAML		00 05 13.5 +1.2
K20K	Telida	2.71	317	IAML		00 05 53.5
K20K	Telida	2.71	317	Pn	Pn	00 05 13.5 +1.2
WACK	Wrangell Chich	2.72	76	Pn	Pn	00 05 13.5 +1.0
AUW	Augustine West	2.73	222	Pn	Pn	00 05 13.9 +1.4
BWN	Browne	2.74	4	Pn	Pn	00 05 14.7 +2.1
WASW	Wrangell South	2.78	78	Pn	Pn	00 05 14.8 +1.4
M18K	Stony River	2.83	273	Pn	Pn	00 05 15.0 +1.1
M18K	Stony River	2.83	273	Pn	Pn	00 05 15.0 +1.1
GLB	Gilghina Butte	2.84	88	IAML		00 06 00.2
GLB	Gilghina Butte	2.84	88	IAML		00 06 01.6
N18K	Kilae Creek	3.00	258	Pn	Pn	00 05 17.2 +0.9
N18K	Kilae Creek	3.00	258	Pn	Pn	00 05 17.2 +0.9
O18K	Koktuh Hills	3.06	241	Pn	Pn	00 05 17.6 +0.6
O18K	Koktuh Hills	3.06	241	IAML		00 06 20.5
O18K	Koktuh Hills	3.06	241	IAML		00 06 20.6
O18K	Koktuh Hills	3.06	241	Pn	Pn	00 05 17.6 +0.6

2019 JAN

SYI	Shuyak Island	3.11	205	IAML		00 06 03.9
SYI	Shuyak Island	3.11	205	IAML		00 06 04.2
Q20K	Shuk Island	3.11	205	P	Pn	00 05 18.7 +1.0
VRDI	Verde Repeater	3.13	91	IAML		00 06 08.2
VRDI	Verde Repeater	3.13	91	IAML		00 06 10.2
Q19K	Cape Douglas,	3.14	218	Pn	Pn	00 05 19.2 +1.0
Q19K	Cape Douglas,	3.14	218	P	Pn	00 05 19.9 +1.7
WRH	Wood River Hill	3.14	15	IAML		00 06 11.7
WRH	Wood River Hill	3.14	15	IAML		00 06 12.9
NEA2	Nenana	3.17	7	P	Pn	00 05 19.8 +1.2
TTA	Tatalina	3.21	300	P	Pn	00 05 20.3 +1.1
TTA	Tatalina	3.21	300	P	Pn	00 05 20.3 +1.1
HDA	Harding Lake	3.26	23	IAML		00 06 15.1
HDA	Harding Lake	3.26	23	IAML		00 06 17.9
HDA	Harding Lake	3.26	23	Pn	Pn	00 05 21.5 +1.6
MENT	Menasta	3.27	60	Pn	Pn	00 05 20.8 +0.9
L18K	Granite Mounta	3.30	286	Pn	Pn	00 05 21.4 +1.1
L18K	Granite Mounta	3.30	286	Pn	Pn	00 05 21.4 +1.1
P18K	Big Mountain,	3.35	234	IAML		00 05 21.4 +0.4
P18K	Big Mountain,	3.35	234	IAML		00 06 25.9
P18K	Big Mountain,	3.35	234	P	Pn	00 05 21.4 +0.4
CCB	Cedar Creek Bu	3.35	16	IAML		00 06 18.5
J20K	Nowinta River	3.35	327	IAML		00 05 22.0 +1.0
J20K	Nowinta River	3.35	327	IAML		00 05 23.1
J20K	Nowinta River	3.35	327	IAML		00 06 23.1
J20K	Nowinta River	3.35	327	Pn	Pn	00 05 22.0 +1.0
DOT	Dot Lake	3.50	48	Pn	Pn	00 05 25.9 +2.8
COLA	College	3.56	14	Pn	Pn	00 05 23.7 -0.1
IL31	Ilar	3.60	21	Pn	Pn	00 05 25.4 +0.9
ILAR	Eielson Array	3.60	21	Pn	Pn	00 05 25.4 +1.0
ILAR	Eielson Array	3.60	21	Pn	Pn	00 05 25.4 +1.0
ILAR	Eielson Array	3.60	21	Pn	Pn	00 06 10.0 +4.3
M17K	Hollita River	3.61	272	IAML		00 05 25.8 +1.2
M17K	Hollita River	3.61	272	IAML		00 06 37.3
M17K	Hollita River	3.61	272	IAML		00 06 39.0
M17K	Hollita River	3.61	272	Pn	Pn	00 05 25.8 +1.2
J19K	Poorman	3.66	317	IAML		00 05 26.4 +1.2
J19K	Poorman	3.66	317	IAML		00 06 27.0
J19K	Poorman	3.66	317	Pn	Pn	00 05 26.4 +1.2
N17K	Nushagak Hills	3.66	258	IAML		00 05 26.3 +1.1
N17K	Nushagak Hills	3.66	258	IAML		00 06 31.9
N17K	Nushagak Hills	3.66	258	Pn	Pn	00 05 26.3 +1.1
BALM	Baldy	3.69	93	Pn	Pn	00 05 25.7 +1.0
I23K	Minto, Yukon-K	3.72	4	IAML		00 05 27.1 +1.1
I23K	Minto, Yukon-K	3.72	4	IAML		00 06 26.9
I23K	Minto, Yukon-K	3.72	4	Pn	Pn	00 06 30.6
I23K	Minto, Yukon-K	3.72	4	Pn	Pn	00 05 27.1 +1.1
SCRK	Sand Creek	3.73	45	IAML		00 06 28.1
SCRK	Sand Creek	3.73	45	IAML		00 06 29.8
SCRK	Sand Creek	3.73	45	Pn	Pn	00 05 26.8 +0.5
J18K	Innoko River	3.74	306	IAML		00 05 27.9 +1.4
J18K	Innoko River	3.74	306	IAML		00 06 12.2
J18K	Innoko River	3.74	306	Pn	Pn	00 05 27.9 +1.4
KAHG	Katmai Hook Gl	3.77	220	P	Pn	00 05 27.9 +1.1
Q16K	Katmai Hardscr	3.80	224	P	Pn	00 05 28.3 +1.2
POKR	Poker Plat Res	3.85	16	IAML		00 06 37.1
POKR	Poker Plat Res	3.85	16	IAML		00 06 40.5
POKR	Poker Plat Res	3.85	16	Pn	Pn	00 05 29.2 +1.4
I21K	Tanana	3.85	347	Pn	Pn	00 05 29.4 +1.6
I21K	Tanana	3.85	347	Pn	Pn	00 05 29.4 +1.6
M27K	Edge Creek, AK	3.91	73	IAML		00 05 30.4 +1.5
M27K	Edge Creek, AK	3.91	73	IAML		00 06 52.1
M27K	Edge Creek, AK	3.91	73	Pn	Pn	00 05 30.4 +1.5
O17K	Koliganek Bris	3.92				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Stokes Point, Inuvik, Dease Lake, Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Beegum Peak, Orleans Mounta, Red Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KHEZ, Pukeiti, South Ngauruho, etc.

NEIC 10:00:05:55.1±2.5, 40.33N, 0103.124, 72W, 0.05, h10km, 2km, Error ellipse: s-maj=6.5km, s-min=1.1km, az=229.0

NCEDC 10:00:05:58.7±2.6, 40.30N, 0103.124, 49W, 0.08, h20km, 6km, ML3.3/7, ML2.9/52(NEIC), Error ellipse: s-maj=8.6km, s-min=3.8km, az=81.0, Near coast of northern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mount Pierce, Mail Ridge, Jacoby Creek, etc.

IDC 10:00:19:04.1±1.0, 39.37S, 174.96E, h218km, 21km, mb3.1/2, mbmp3.9/4, Error ellipse: s-maj=53.4km, s-min=12.7km, az=128.0

NOU 10:00:19:06.1±3.9, 19S, 174.88E, h219km, MLV3.9/18, North OREZ, New Zealand, WEL 3.0/28, MLV3.1/32, Error ellipse: s-maj=16.8km, s-min=7.1km, az=173.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Vera Road, Lake Rotokare, Pokaka, etc.

IDC 10:00:19:06.1±1.0, 39.16S, 174.81E, 0.05, h233km, 6km, n124, 1923/155, North Island

WRA 10:00:30:06.4±1.3, 52.66N, 161.42E, h42km, 19km, ML4.2, IDC 10:00:30:07.1±1.5, 52.97N, 161.05E, h17km, mb3.9/16, mbmp3.9/18, ML3.2/6, MS2.9/6, Error ellipse: s-maj=28.3km, s-min=15.6km, az=170.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mys Shipunski, Nalytchevo, Nalytchevo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like Avacha, Koryaka, Kuryak, etc.

AEIC 10 00:30:56.8, 1.4, 69.67N, 0.05:145.09W, 0.06, h12km, 5km, ML3.5, mb3.72(NEIC), ML3.6/108(NEIC), Error ellipse: s-maj=7.0km s-min=3.0km az=177.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like Jago River, Kavik River, Franklin Bluff, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like Arctic Village, Iktilik River, Toolik Lake, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, H, m, s, ISC. Includes stations like Kandik River, Inuvik, Coal Creek Min, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like J20K Nowinta River, K29M Barlow Dome, TRF Thorofore Moun, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like IZEF Zefreh, IKLH Kolahrood, IBAF Kafah, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like GHO comp=N,2um,0.5s, KNK comp=E,1um,0.7s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like KAZZ Kazeron-Fars-I, AHBU AHRAM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like M22K Willow, M22K comp=N,2um,0.4s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like P18K Big Mountain, IL31 College, etc.

NEIC 10 00:49:28.5 ± 1.0, 61°50'N, 104°149'29"W, 0.01, h46km, 6km, Error ellipse: s-maj=5.1km s-min=0.6km az=175.0

AEIC 10 00:49:29.2 ± 1.6, 61°52'N, 104°149'30"W, 0.05, h41km, 7km, m-L2.9, M.L3.1/160(NEIC), Error ellipse: s-maj=5.1km s-min=3.5km az=172.0, Southern Alaska

IDC 10 00:34:22.6 ± 1.5, 29°35'N, 51°31'E, h0km, mb3.7/10, mbmp3.7/12, M.L3.4/2, M.S3.3/1, Error ellipse: s-maj=30.1km s-min=23.8km az=180.0

TEH 10 00:34:24.9 ± 29'38"N, 51°29'E, hgkm, 25km DSN 10 00:34:29.7 ± 1.4, 29.00°N, 51°33'E, h15km, M.L3.5/9, Error ellipse: s-maj=19.5km s-min=8.9km az=11.0

OMAN 10 00:34:31.7 ± 0.1, 28°30'N, 51°37'E, h10km, mb4.3/17, mb3.8/2, Error ellipse: s-maj=1.8km s-min=0.9km az=12.0

ISC 10 00:34:25.7 ± 0.6, 29°33'N, 104°51'29"E, 0.05, h20km, n86, ±211/106, mb3.6/10, Southern Iran

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MASC, MARVS, QMBU, SJG, HJMP, etc.

IDC 10 02:04:34.0L4.2, 18.265S:178.32W, h534km, 4.7km, mb3.5/11, mbtmp4.3/12, Error ellipse: s-maj=24.0km s-min=21.6km az=13.0

NEIC 10 02:04:34.8L1.9, 18.2S:0.1x178.3W:0.1, h535km, 8km, mb4.3/20, Error ellipse: s-maj=19.7km s-min=15.4km az=108.0

ISC 10 02:04:35.0L0.6, 18.3S:0.1x178.24W:0.09, h550km, n40, r131/40, mb4.3/19, Fijil Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FUTU, NIUE, DZM, DZM, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GIRL, UGM, QSPA, etc.

NEIC 10 02:05:00.4L1.4, 18.0S:0.2x178.5W:0.1, h560km, 11km, mb4.3/25, Error ellipse: s-maj=25.2km s-min=16.3km az=139.0

IDC 10 02:05:03.6L4.9, 17.92S:178.59W, h608km, 6.1km, mb3.4/10, mbtmp4.4/11, Error ellipse: s-maj=58.1km s-min=23.8km az=154.0

ISC 10 02:05:01.3L0.7, 18.0S:0.1x178.5W:0.1, h579km, n40, r057/40, mb4.3/22, Fijil Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, TCW, EIDS, etc.

AS31 Alice Springs 44.68 254 P P 02 12 23.8 -0.2

ASAR Alice Springs 44.68 254 P P 02 12 23.6 -0.3

FORT Forrest 49.20 245 P P 02 13 01.6 -1.2

KNRA Kununurra 50.38 264 P P 02 13 05.8 -0.8

KNRA Kununurra 50.38 264 P P 02 13 06.6 -0.8

FITZ Fitzroy Crossi 52.92 261 P P 02 13 24.4 -0.4

FITZ Fitzroy Crossi 52.92 261 P P 02 13 24.4 -0.4

PSA00 Pilbara Seismi 57.80 255 P Iamb Iamb 02 13 58.0 -0.5

PSA00 Pilbara Seismi 57.80 255 P Iamb Iamb 02 13 58.1 -0.5

MRWA Marble Bar 57.96 256 P Iamb Iamb 02 13 59.0 -0.7

MRWA Marble Bar 57.96 256 P Iamb Iamb 02 13 59.0 -0.7

SBA Scott Base 60.37 184 P Iamb Iamb 02 14 14.4 -0.4

SBA Scott Base 60.37 184 P Iamb Iamb 02 14 28.8 -0.4

GIRL Giralia 62.78 253 P P 02 14 31.6 +0.2

KIWB Kangaroo Island 69.51 241 P P 02 15 13.0 +0.6

YGM Wanganama 69.54 268 P P 02 15 13.1 -0.3

UBH Yreka Blue Her 78.62 39 P P 02 16 04.6 +0.5

NVAR Mina Array Bea 79.52 44 P P 02 16 09.2 0.0

U15A North Rim 82.62 48 P P 02 16 25.6 +0.4

ILAR Eielson Array 85.95 13 P P 02 16 38.6 -1.7

TX31 Lajitas Arr. Si 86.10 58 P Iamb Iamb 02 16 42.8 +0.7

TXAR Lajitas Array 86.10 58 P P 02 16 42.8 +0.7

CDAR Pinedale Array 87.45 43 P P 02 16 47.6 -0.7

BRTR Keskin Array B 144.74 315 PKP PKPdf 02 23 32.8 -0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, DZM, HNR, RAO, etc.

MEX 10 02:13:13.6L0.8, 15.50N:95.11W, h18km, 34km, MD5.0

SNET 10 02:13:14.3L0.7, 15.66N:95.10W, h30km, ML4.4

IDC 10 02:13:14.8L1.1, 15.70N:95.05W, h35km, 6km, mb3.8/13, mbtmp4.0/15, ML4.2, MS3.6/20, Error ellipse: s-maj=29.0km s-min=12.8km az=60.0

NEIC 10 02:13:15.2L2.2, 15.58N:0.0895W:0.05, h36km, 8km, mb4.5/83, MD5.0/130(MEX), Error ellipse: s-maj=12.5km s-min=6.2km az=203.0

ISC 10 02:13:12.8L0.7, 15.57N:0.0495E:12W:0.03, h24km, 5km, n219, r025/256, mb4.4/26, MS3.6/17, 6C-2D, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HUIG, HUIG, HUIG, etc.

CMIG Matias Romero 1.53 8 Pn 02 13 37.6 -1.1

CMIG Matias Romero 1.53 8 Pn 02 13 37.6 -1.1

Main table containing station call signs, frequencies, and coordinates. Includes columns for call sign, frequency, mode, and location. Example: TXIG Tlaxiaco 3.05 304 eP Pn 02 14 01.3 +1.5

Table listing stations BDFB, INK, SFJD, RES, ILAR, ILAR, PLCA, RCBR, C23K, EKA, ESKA, ESKA, ESDC, ESDC, NB2, NOA, NOA, NOA, CESE, CESE, and their respective frequencies and modes.

Station information for IDC 10 02:51:59.0.0.5, 34:26N, 78:20E, h0km, mb4.4/24, m4mp4.4/28, ML3.5/4, MS3.5/23, Error ellipse: s-maj=14.2km s-min=12.0km az=51.0

Table listing station codes, names, and coordinates. Includes columns for Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Example: HNLY HANLEY 1.61 155 eP Pn 02 52 34.7 +4.1

Table of astronomical observations for 10 days, 6 hours. Columns include station name, time, magnitude, and other parameters. Includes stations like LPSR Galich'ya Gora, GOF Gofitsyovo, KBZ Khabaz, etc.

Table of astronomical observations for 2019 JAN. Columns include station name, time, magnitude, and other parameters. Includes stations like WATA Walderalm, MYKA Terra Myntica, WTTA Wattenberg, etc.

Table of astronomical observations for 2019 JAN. Columns include station name, time, magnitude, and other parameters. Includes stations like KURBB Kurchatov Arra, MKAR Makanchi Array, I46RU Zalesovo Infra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, and various station identifiers like SALTA, SAN LORENZO, SAN PEDRO DE A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, and various station identifiers like PCRV, TRN, GRFF, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, and various station identifiers like WRAB, WRA, BBOO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COMU Canakkale, BUHA Balikesir, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MK31 Machachi Array, MK31 5.7nm, 1.1s, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILSW comp=E, 45nm, 0.6s, TRF TRF, etc.

MDD 10 06:43:05.9-0.7, 28.05N-16.20W, h21km, 39km, mb_Lg1.6/13, Error ellipse: s-maj=14.9km s-min=3.2km az=13.0, Canary Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like MACI Morro de la Ar, MACI Guimar, etc.

ASRS 10 06:55:16.0-0.5, 53.92N-86.63E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

NEIC 10 06:59:02.2-1.4, 61.35N-0.03-149.96W-0.05, h40km, 4km, Error ellipse: s-maj=4.3km s-min=3.3km az=169.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like FIS Fire Island, RC01 Rabbit Creek A, etc.

IDC 10 06:55:19.7-2.6, 53.93N-86.65E, h0km, mbtmp3.2, ML2.9/2, Error ellipse: s-maj=22.9km s-min=13.2km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

ASRS 10 06:51:47.0-1.9, 53.76N-91.07E, h0km, M3.2, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

NNC 10 06:51:55.9-3.4, 53.47N-90.53E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=25.1km s-min=19.2km az=60.0, Suspected Mining explosion.

IDC 10 06:51:55.1-3.1, 53.31N-90.77E, h0km, mbtmp3.4/3, ML2.9/3, Error ellipse: s-maj=26.4km s-min=20.9km az=58.0

ISC 10 06:51:59.2-3.6, 53.43N-0.1-90.3E-0.2, h0km, n9, s187/13, SC-6D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, etc.

ASRS 10 06:55:19.7-2.6, 53.93N-86.65E, h0km, mbtmp3.2, ML2.9/2, Error ellipse: s-maj=22.9km s-min=13.2km az=65.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like M20K comp=N, 110nm, 0.7s, WAT6 Susitna Watana, etc.

IDC 10 07:01:04.5-0.9, 52.05N-74.44E, h0km, mbtmp2.7/3, ML2.2/2, Error ellipse: s-maj=28.5km s-min=7.3km az=27.0

NNC 10 07:01:05.1-2.1, 51.57N-74.04E, h0km, mb3.1, mpv2.8,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like ILSW comp=E, 45nm, 0.6s, TRF TRF, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SONM, H21K, E19K, ILAR, J25K, G23K, H21K, MKAR.

ASRS 10 08:41:14.0:0.6, 54:05N:87:55E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 10 08:41:11.3:3.3, 54:10N:87:83E, h0km, mbtmp2.3/2, ML1.9/2, Error ellipse: s-maj=27.6km s-min=20.1km az=47.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

WEL 10 08:43:33.0:0.6, 39:53'x17'8E, h29km, M3.1/19, ML3.5/19, MLV3.1/19, Error ellipse: s-maj=5.7km s-min=3.2km az=124.9, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MHGZ, MHGZ, KNZ, KNZ, PRGZ, PRGZ, WHHZ, WHHZ, RIGZ, RIGZ, ARHZ, ARHZ, CKHZ, CKHZ, SHNGZ, SHNGZ, RAHZ, RAHZ, NMHZ, NMHZ, KAHZ, KAHZ, MCHZ, MCHZ, TKGZ, TKGZ, MTGZ, MTGZ, RTZ, RTZ, PXZ, PXZ, BKZ, BKZ, KWHZ, KWHZ, TWGZ, TWGZ, MUGZ, MUGZ, MRHZ, MRHZ, URZ, URZ, WPHZ, WPHZ, PNHZ, PNHZ, RRRZ, RRRZ, PKGZ, PKGZ, TARZ, TARZ, WNGZ, WNGZ, DVHZ, DVHZ, HSRZ, HSRZ, TSZ, TSZ, TMWZ, TMWZ, OTVZ, OTVZ, VNVZ, VNVZ, NGZ, NGZ, TRVZ, TRVZ.

IDC 10 08:45:37.7:3.3, 53:62N:87:98E, h0km, mbtmp2.9/2, ML2.7/2, Error ellipse: s-maj=33.1km s-min=18.1km az=53.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

ASRS 10 08:50:02.0:0.8, 54:14N:87:23E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 10 08:49:55.8:3.6, 54:26N:87:76E, h0km, mbtmp2.4/2, ML2.1/2, Error ellipse: s-maj=33.3km s-min=22.0km az=39.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

NEIC 10 08:49:59.3:0.8, 17:55S:0:2, 179:9W:0.1, h60km, 10km, mb4.3/23, Error ellipse: s-maj=27.0km s-min=14.1km az=154.0

IDC 10 08:50:04.6:3.1, 17:18S:179:61E, h659km, 44km, mb3.1/8, mbtmp2.9/9, Error ellipse: s-maj=74.1km s-min=15.5km az=154.0

ISC 10 08:49:59.0:0.6, 17:45S:0:1x179:96E:0:09, h600km, n35, r15/14, mb4.2/20, Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AFI, NIUE, DZM, DZM, QZM, QZM, ARMA, ARMA, CTA, CTA.

CTAO Charters Tower 31.99 260 P Iamb P 08 55 38.1 +0.3

COEN Coen 35.54 270 P Iamb P 08 56 07.8 +0.3

TOO Toolangi 36.27 229 P Iamb P 08 56 13.1 -0.3

STKA Stephens Creek 37.50 240 P Iamb P 08 56 23.2 -0.2

BBOO Buckleboole 42.28 240 P Iamb P 08 57 01.0 -0.4

WBO Warramunga Arr 43.15 260 P Iamb P 08 57 07.5 -1.0

WBR Warramunga Arr 43.19 259 P Iamb P 08 57 08.5 -0.2

AS31 Alice Springs 43.42 254 P P 08 57 10.4 -0.1

KNRA Kunurra 48.99 264 P Iamb P 08 57 52.0 -0.5

PSA00 Pilbara Seismic 56.52 255 P Iamb P 08 58 46.0 +0.1

UNV Unalaska Valle 71.94 8 P P 09 00 22.1 -0.3

YBH Yreka Blue Her 79.16 40 P P 09 01 02.7 0.0

ILSW Iliamna Southw 80.18 13 P Iamb P 09 01 07.1 -0.7

N18K Kilae Creek 80.24 12 P Iamb P 09 01 07.7 -0.2

W8T Wildcat Mounta 80.48 47 P P 09 01 08.5 -1.3

M17K Holitna River 80.62 11 P Iamb P 09 01 10.9 +1.1

N19K Bonanza Creek 80.65 12 P Iamb P 09 01 09.5 -0.6

K15K Wolf Creek Mou 80.81 9 P Iamb P 09 01 12.6 +1.8

ILAR Eielson Array 85.79 14 P P 09 01 35.3 -0.1

TXAR Lajitas Array 87.07 58 P P 09 01 43.6 +1.2

PDAR Pinedale Array 88.09 44 P P 09 01 47.4 +0.3

IDC 10 08:55:13.4:1.7, 32:42S:177:74W, h0km, mb3.9/2, mbtmp3.9/3, ML3.6/1, MS3.0/2, Error ellipse: s-maj=45.9km s-min=42.0km az=148.0

WEL 10 08:55:15.9:0.7, 33:5S:17:8W, h127km, 25km, mb4.5/6, MLV4.8/10, Mw(mb)3.7/6, Error ellipse: s-maj=12.3km s-min=4.5km az=112.1

ISC 10 08:55:14.8:1.0, 32:62S:0:06, 177:5W:0:1, h21km, n33, r270/45, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GLKZ, RAO, RAO, MXZ, MXZ, WMGZ, WMGZ, PKGZ, PKGZ, HAZ, HAZ, PUZ, PUZ, TWGZ, TWGZ, CNZG, CNZG, URZ, URZ.

URZ Urewera 7.12 216 Pn Sn 08 58 17.8 0.0

URZ Urewera 7.12 216 Pn Sn 08 58 59.0 +2.0

URZ Rimuhau 7.17 211 Pn Sn 08 58 44.6 -1.2

PRGZ Paritu Road 7.30 209 Pn Sn 08 58 20.7 +0.5

SHNGZ Shannon Statio 7.42 213 Pn Sn 08 57 02.8 +0.9

OUZ Omahuta 7.81 248 Pn Sn 08 57 14.5 +7.3

OUZ Omahuta 7.81 248 Pn Sn 08 58 39.3 +4.4

OUZ Omahuta 7.81 248 Pn Sn 08 59 01.8 -4.5

OUZ Omahuta 7.81 248 Pn Sn 08 59 05.1 -3.6

OUZ Omahuta 7.81 248 Pn Sn 08 59 17.6 -4.7

OUZ Omahuta 7.81 248 Pn Sn 08 59 27.1 -6.1

OUZ Omahuta 7.81 248 Pn Sn 08 59 33.8 -7.1

OUZ Omahuta 7.81 248 Pn Sn 08 59 40.5 -8.1

IDC 10 08:55:45.9:3.5, 54:31N:87:76E, h0km, mbtmp2.5/2, ML2.1/2, Error ellipse: s-maj=31.4km s-min=21.3km az=43.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

ASRS 10 08:59:13.0:0.6, 54:43N:86:87E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 10 08:59:12.3:3.5, 54:57N:87:18E, h0km, mbtmp2.6/2, ML2.1/2, Error ellipse: s-maj=32.7km s-min=21.7km az=44.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

IDC 10 09:04:01.5:0.3, 54:08N:86:73E, h0km, mbtmp2.7/2, ML2.5/2, Error ellipse: s-maj=25.8km s-min=15.0km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, KURBB, KURBB, MKAR, MKAR.

PLV 10 09:08:11.7:1.7, 21:30N:101:64E, h2km, 9km, ML3.8

IDC 10 09:08:14.1:1.6, 21:32N:101:72E, h0km, mb3.5/3, mbtmp3.4/4, ML3.5/1, MS2.9/3, Error ellipse: s-maj=29.9km s-min=19.3km az=110.0

BKK 10 09:08:15.4:1.0, 21:16N:101:72E, h10km, M4.0/10, Mjma3.9/10, ML4.1/4, MLV4.1/9

ISC 10 09:08:14.5:0.9, 21:16N:101:76E:0:05, h10km, n17, r117/17, mb3.4/3, Myanmar-China border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DBV, DBV, DBV, DBV, SLVN, SLVN, MCVV, MCVV, LAMP, LAMP, LAMP, LAMP, CM09, CM09, CMAR, CMAR, CMAR, CMAR.

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 24.0 +1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 25.6 -1.4

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 26.1 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 26.7 -1.2

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 27.0 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 27.3 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 27.6 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 27.9 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 28.2 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 28.5 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 28.8 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 29.1 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 29.4 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 29.7 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 30.0 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 30.3 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 30.6 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 30.9 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 31.2 -1.1

CMAR Chiang Mai Arr 3.78 225 Pn Pg 09 09 31.5 -1.1

KSRS	Korea Array	73.71 319	P	P	11 27 47.0 -0.4
comp=Z,2.3nm,0.8s,baz=122,slow=5.7,SNR=5.5					
CHGN	Chignik	75.16 12	P	P	11 27 54.6 -0.6
USRK	Ussuriysk Ar.	75.62 326	P	P	11 27 58.3 +0.3
comp=Z,2.2nm,0.8s,baz=119,slow=5.3,SNR=3.2					
SRII	Sitkinak Islan	76.30 14	P	P	11 28 01.3 -0.2
KMRI	Mali Ridge	76.80 40	I	I	11 28 05.7 +1.0
comp=Z,1.9nm,0.8s					
O02D	Mt. Diabolo Mer	77.34 41	P	P	11 28 08.7 +1.0
ISA	Isabella, Lake	77.70 47	I	I	11 28 10.3 +0.5
comp=Z,1.2nm,0.9s					
IDAK	Kodiak Island	77.78 14	P	P	11 28 09.7 +0.2
KDKA					11 28 10.5
comp=Z,3.0nm,1.1s					
AFDM	Forest Hills D	77.80 43	P	P	11 28 10.7 +0.6
YUH	Yupa Desert	78.01 50	P	P	11 28 11.8 +0.4
DSP	Deep Springs	78.94 45	I	I	11 28 15.9 -0.3
comp=Z,1.2nm,0.9s					
CN2	Changchun	79.03 323	P	P	11 28 17.3 +0.8
CN2					
comp=Z,1.0nm,1.0s					
BNV	BinXian	79.10 325	P	P	11 28 17.2 +0.3
BXN					
comp=Z,1.6nm,0.8s					
GRAC	Grapevine Rang	79.16 46	P	P	11 28 17.7 +0.2
GRAC					11 28 19.1
comp=Z,1.2nm,0.7s					
NVAR	Mina Array Bea	79.27 44	P	P	11 28 18.7 +0.4
comp=Z,4.0nm,0.8s,baz=226,slow=8.7,SNR=54					
NV11	Mina Array Sit	79.37 44	P	P	11 28 18.7 0.0
GMN	Gold Mountain	79.39 46	P	P	11 28 18.7 -0.2
J04A	Umpqua Nationa	79.53 39	P	P	11 28 20.3 +0.8
GLYV	Glyth	79.57 50	P	P	11 28 20.5 +0.9
O19K	Port Alsworth	79.59 12	P	P	11 28 17.9 -1.2
J05D	Fort Rock, OR	80.08 39	P	P	11 28 21.9 -0.4
J05D					11 28 23.8
comp=Z,1.8nm,0.6s					
PINE	Pine Mountain	80.54 39	P	P	11 28 25.3 +0.5
PINE					11 28 26.6
comp=Z,1.4nm,0.9s					
L18K	Granite Mounta	81.02 10	I	I	11 28 28.1
WVOR	Wild Horse Val	81.19 41	I	I	11 28 29.9
comp=Z,1.4nm,1.0s					
I07A	Izeze	81.56 39	I	I	11 28 31.6
comp=Z,9.3nm,0.8s					
TUC	Tucson	81.69 53	P	P	11 28 31.7 +0.9
TUC					11 28 33.5
comp=Z,1.2nm,1.0s					
J08A	Circle Bar, OR	81.80 40	P	P	11 28 31.4 +0.3
J08A					11 28 32.8
comp=Z,1.6nm,1.1s					
HEH	Heihe	81.92 329	eP	P	11 28 31.2 -0.2
X16A	Lo Mia Camp, P	82.14 50	I	I	11 28 35.5
comp=Z,1.1nm,0.9s					
U15A	North Rim	82.44 48	I	I	11 28 37.0
comp=Z,1.7nm,0.8s					
319A	Douglas	82.44 54	I	I	11 28 37.4
comp=Z,1.4nm,0.8s					
ELK	Elko	82.49 43	P	P	11 28 34.9 +0.1
G06A	Pilot Rock	82.56 38	I	I	11 28 36.4
comp=Z,8.9nm,0.9s					
WUAZ	Wupatki	82.69 50	I	I	11 28 38.1
comp=Z,1.2nm,1.0s					
E07A	Sunnyside	82.74 37	I	I	11 28 37.2
comp=Z,1.4nm,0.9s					
HAWA	Hanford	82.83 37	P	P	11 28 35.6 -0.5
HAWA					11 28 37.7
comp=Z,1.0nm,0.8s					
LYN	LuoYang	82.86 309	P	P	11 28 38.6 +2.1
comp=Z,1.4nm,0.7s					
BELA	Belgrano 2	83.02 173	P	P	11 28 36.1 -0.6
BELA					11 28 37.6
comp=Z,7.9nm,0.8s					
MFID	Camas Ranch	83.47 41	I	I	11 28 41.1
comp=Z,8.1nm,0.9s					
D08A	Wollman Farm,	83.55 37	I	I	11 28 41.1
comp=Z,1.3nm,1.0s					
B08A	Colville Reser	84.04 35	I	I	11 28 42.8
comp=Z,7.7nm,0.7s					
MAW	Mawson	84.40 200	P	P	11 28 44.4 +0.9
comp=Z,1.5nm,1.0s,baz=282,slow=4.9,SNR=2.8					
HLID	Hailey	84.43 41	I	I	11 28 46.2
comp=Z,1.5nm,1.0s					
NEW	Newport	85.23 36	I	I	11 29 24.8
comp=Z,1.2nm,1.4s					
XAN	Xi'an	85.30 308	P	P	11 28 49.6 +1.0
XAN					
comp=Z,1.8nm,0.8s					
DLBC	Dease Lake	85.34 23	P	P	11 28 48.5 +0.3
comp=Z,6.8nm,0.8s,baz=250,slow=5.1,SNR=7.5					
BILL	Bilibino	85.59 355	P	P	11 28 48.4 -0.7
ANMO	Albuquerque	86.08 52	P	P	11 28 52.8 +0.3
ANMO					11 28 54.1
comp=Z,6.6nm,0.8s					
TX31	Lajitas Ar. Si	86.08 58	I	I	11 28 55.4
comp=Z,6.6nm,1.1s					
TXAR	Lajitas Array	86.08 58	P	P	11 28 53.9 +1.4
comp=Z,3.7nm,0.8s,baz=217,slow=6.7,SNR=43					
DLMT	Dillon	86.44 40	I	I	11 28 55.6
comp=Z,8.2nm,0.8s					
ALPN	Alpine	86.49 57	I	I	11 28 57.6
comp=Z,1.4nm,1.5s					
TPAW	Teton Pass	86.61 43	I	I	11 28 56.3
comp=Z,5.6nm,0.8s					
FXWY	Fox Creek	86.63 42	I	I	11 28 57.7
comp=Z,3.9nm,0.8s					
SNOW	Snow King Moun	86.72 43	I	I	11 28 57.8
comp=Z,1.3nm,1.0s					
LOHW	Long Hollow	86.89 43	I	I	11 28 57.8
comp=Z,6.1nm,0.8s					
FLWY	Flag Ranch	87.04 42	I	I	11 28 58.9
comp=Z,1.2nm,1.0s					
PD31	Pinedale Array	87.19 44	I	I	11 28 58.7
comp=Z,5.2nm,0.7s					
PDAR	Pinedale Array	87.19 44	P	P	11 28 57.9 +0.2
comp=Z,4.2nm,0.6s,baz=217,slow=3.1,SNR=54					
CMAR	Chiang Mai Arr	88.05 290	P	P	11 29 03.1 +1.2
comp=Z,0.8nm,0.5s,baz=112,slow=2.6,SNR=9.5					
OZNA	Ozona	88.71 57	I	I	11 29 06.5
comp=Z,8.3nm,0.8s					
APMT	Aspermont	90.34 55	I	I	11 29 13.1
comp=Z,5.7nm,0.8s					
BRDY	Brady	90.55 57	I	I	11 29 14.6
comp=Z,3.4nm,0.8s					
SNAA	Sanae	91.40 179	P	P	11 29 15.8 -0.7
comp=Z,1.7nm,0.7s,baz=0,slow=1.0,SNR=3.2					
VNA3	Neumayer Olymp	91.57 177	P	P	11 29 17.8 +0.6
comp=Z,7.5nm,0.7s					
SONM	Songhino Array	92.56 319	P	P	11 29 19.6 -2.7
comp=Z,0.4nm,0.5s,baz=35,slow=4.4,SNR=4.9					
YKA	Yellowknife Ar	93.86 25	P	P	11 29 27.1 -0.5
comp=Z,2.2nm,0.7s,baz=246,slow=4.6,SNR=11					
ZALV	Zalesovo Beas	107.24 322	PKP	PKP	11 34 31.6 -1.3
comp=Z,0.8nm,0.5s,baz=180,slow=0.7,SNR=42					
MKAR	Makanchi Array	108.15 314	PKP	PKP	11 34 33.7 -1.3
comp=Z,0.4nm,0.5s,baz=48,slow=2.1,SNR=7.4					
KURB	Kurchatov Arra	110.89 318	PKP	PKP	11 34 38.8 -1.3
comp=Z,0.2nm,0.6s,baz=67,slow=2.1,SNR=7.1					
BAVA	Borovyoye Array	115.85 321	PKP	PKP	11 34 48.2 -1.0
comp=Z,1.6nm,0.5s,baz=99,slow=1.6,SNR=10					
ARCES	ARCCESS Array B	125.43 360	PKP	PKP	11 35 06.8 -0.5
comp=Z,3.5nm,0.5s,baz=35,slow=1.4,SNR=9.4					
FINES	FINESS Array B	132.26 344	PKP	PKP	11 35 19.9 -0.6
comp=Z,1.8nm,0.5s,baz=48,slow=2.1,SNR=8.4					
FINES					11 37 55.2 -0.8
comp=Z,3.1nm,0.9s,baz=76,slow=2.7,SNR=6.3					
NB2	NORSAR Subarray1	35.52 353	PKP	PKP	11 35 27.8 +1.1
comp=Z,2.4nm,0.7s,baz=22,slow=1.8,SNR=3.4					
NOA	NORSAR Array B	135.52 353	PKP	PKP	11 35 27.4 +0.7
comp=Z,0.7nm,0.5s,baz=14,slow=3.8,SNR=3.4					
SIRT	Sirtal	138.3 308	PKP	PKP	11 35 30.9 -1.8
AKASG	Malin Array Be	139.58 332	PKP	PKP	11 35 35.7 +1.3

AK13	Malin Array Si	139.72 332	PKP	PKP	11 35 36.4 +1.8
EKA	Eskdalemuir Ar	141.72 4	PKP	PKP	11 35 31.3
comp=Z,0.8nm,0.4s,baz=47,slow=3.3,SNR=6.9					
BNN	Borovoye Array	142.68 313	PKP	PKP	11 35 38.0 -2.5
MORS	Morshin	143.03 335	PKP	PKP	11 35 38.5 -2.1
KWP	Kawarua Pacla	143.10 336	ePKP	PKP	11 35 38.8 +0.4
KWP	Kawarua Pacla	143.10 336	PKP	PKP	11 35 38.8 +0.1
STNU	Starunia	143.11 334	PKP	PKP	11 35 38.2 -0.3
LDW	Lidzwar	143.61 352	PKP	PKP	11 35 41.4 +0.2
BURAR	Burakov Array	143.83 392	PKP	PKP	11 35 41.8 +0.1
OJC	Okhok	143.66 340	ePKP	PKP	11 35 40.5 -0.1
RJAK	Rajkhiv	143.78 333	PKP	PKP	11 35 38.8 -2.3
BR131	Keskin Array S	143.80 315	PKP	PKP	11 35 41.0 -0.6
BRTR	Keskin Array B	143.80 315	PKP	PKP	11 35 41.3 -0.2
comp=Z,0.2nm,0.6s,baz=122,slow=2.6,SNR=23					
BR104	Keskin Array S	143.81 315	PKP	PKP	11 35 41.2 -0.4
BR105	Keskin Array S	143.81 315	PKP	PKP	11 35 41.3 -0.3
STHS	Stebnicka Huta	143.83 337	ePKP	PKP	11 35 41.1 -0.1
KOLS	Kolonickie secl	143.84 336	PKP	PKP	11 35 41.8 +0.6
KIRS	Kirshir-Merke	143.89 314	PKP	PKP	11 35 42.3 +0.5
HOLU	Holmes	144.12 336	PKP	PKP	11 35 42.1 0.0
NIE	Niedzica	144.17 338	ePKP	PKP	11 35 40.3 +0.7
ARCR	ARCALIA	144.42 332	PKP	PKP	11 35 42.5 -0.6
OSTC	Ostas	144.46 343	ePKP	PKP	11 35 44.4 +0.8
MAUC	Mauca Collec	144.48 343	ePKP	PKP	11 35 45.9 +0.5
CLL	Collec	144.56 347	PKP	PKP	11 35 42.5 -0.7
STEB	Steborice	144.56 341	ePKP	PKP	11 35 43.8 +0.5
UPC	Upice	144.56 343	ePKP	PKP	11 35 44.0 +0.7
DPC	Dobruska-Polom	144.62 343	ePKP	PKP	11 35 44.1 +0.7
LANS	Liptovsky Anna	144.69 339	ePKP	PKP	11 35 45.2 +0.7
MAUC	Mauca Collec	144.73 342	ePKP	PKP	11 35 45.9 +0.8
MORC	Moravsky Berou	144.77 341	ePKP	PKP	11 35 43.6 -0.1
KECS	Kečov	144.88 337	ePKP	PKP	11 35 45.2 +0.7
PVCC	Panska Ves	144.92 345	ePKP	PKP	11 35 45.2 +0.7
CJR	Cluj-Napoca	145.04 332	PKP	PKP	11 35 45.0 +0.8
MAUC	Mauca Collec	145.04 341	ePKP	PKP	11 35 45.9 +0.8
HSKC	Hora Svate Kat	145.12 346	PKP	PKP	11 35 44.5 +0.3
MMAI	Morav Meron Ar	145.21 304	PKP	PKP	11 35 46.5 +1.5
comp=Z,9.3nm,0.6s,baz=66,slow=4.8,SNR=17					
MARR	Marisel-Cluj	145.28 333	PKP	PKP	11 35 46.2 +1.4
ORFJ	Orfj	145.35 333	PKP	PKP	11 35 45.2 +0.9
					

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, Phase Error, Time, Residual, Residual Error. Includes stations like EGAK Eagle, A21K Barrow, F20K Avaraart Lake, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, Phase Error, Time, Residual, Residual Error. Includes stations like LSTV Lastovo, DBRK Dubrovnik, KJUV Kijevo, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, Phase Error, Time, Residual, Residual Error. Includes stations like DEL Delary, FABU Falkenberg, GNOU Gnosjoe, etc.

PDG 10 11:32:46.4±0.2, 43.37N; 17.34E, h5km, ML3.0/13, Error ellipse: s-maj=0.2km s-min=0.5km az=0.0

ISC 10 11:32:47.1±1.0, 43.41N; 0.02x17.42E, 0.01, h4km, g1km, n86, c1817154, 9C, 20 Northwest Peninsula

ISC 10 11:39:05.7±1.1, 35.76N; 140.89E, h0km, mb3.7/8, mbmp3.7/10, ML3.4/2, MS3.1/5, Error ellipse: s-maj=30.4km s-min=19.4km az=70.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like D62A Allapont, A11 Saint Roch, GBN Guysborough, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TKL Tuckaleechee C, FRB Frober Bay, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JSD Sado, JMW Wachi, MJAR Matsushiro Arr, etc.

10d 15h

Table with columns: JOKE, OKinoreabujima, 2.34 61 P Pn, 14 26 38.4 -0.3, etc.

IDC 10 14:28:36.011.0,33:42N:25:01E, h0km, mb3.8/5, mtdmp3.7/6, ML4.2/1, Error ellipse: s-maj=199.6km

ATH 10 14:28:43.8,33:97N:25:99E, h6km,4km,ML2.7/2, Error ellipse: s-maj=6.4km s-min=2.0km az=333.0

ISK 10 14:28:44.2,34:03N:25:96E, h85km, ML3.7/1

ISC 10 14:28:45.2,34:11N:01:25.98E,0.05,h13km,16km, n21,0.94/28,mb3.6/5,Crete

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

GII 10 14:31:30.5,0.0,34:05N:01:01:36:90E,0.01,h0km, confirmed

GRAL 10 14:31:34.2,0.4,33:68N:37:02E, h0km,5km, MD3.2

ISC 10 14:31:33.4,1.9,33:74N:04:06:39E,0.1,h0km,n24, 0.070/27, Jordan-Syria region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

ISC 10 15:03:53.3-1.2,61:17N:003:140:60W,0.04,h3km,12km, n13,0.94/22, Southern Yukon Territory

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time Res, etc.

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Table with columns: M27K, Edge Creek, AK, 1.34 334 P Pg, 15 04 18.2 -0.8, etc.

ATH 10 15:04:14.8,34:26N:26:67E, h8km,3km, ML3.4/5, Error ellipse: s-maj=2km s-min=1.7km az=1.0

IDC 10 15:04:17.4,1.0,34:41N:26:70E, h0km, mb3.8/12, mtdmp3.7/18, ML3.8/5, MS2.9/7, Error ellipse: s-maj=22.6km s-min=13.9km az=11.0

AFAD 10 15:04:18.8,34:50N:26:66E, h7km,5km, ML3.0

ISK 10 15:04:18.8,34:52N:26:61E, h13km, ML3.7/18

HLW 10 15:04:20.2,34:42N:26:64E, h10km,14km, MD3.8, MI3.6

GII 10 15:04:22.7,0.0,34:16N:04:27:13E,0.01,h1km, mvs3.6, confirmed

ISC 10 15:04:18.9,1.8,34:44N:04:26:72E,0.04,h13km,11km, n109,0.185/124,mb3.8/14,MS3.0/3,Crete

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

FETY Fethiye, 2.92 41 Pn Pn, 15 05 06.3 +1.3

YER Yerkesh, 2.97 25 Pn Pn, 15 05 06.7 +0.9

MLSB Milas, 2.97 16 Pn Pn, 15 05 07.2 +1.1

SABU Mula-Dalaman, 3.00 37 S S, 15 05 37.5 -4.5

SLUM Salum, 3.20 204 P S, 15 05 09.6 +0.7

CAME Camel-Denizli, 3.26 39 Pn Pn, 15 05 11.2 +1.3

GCAM GZelcamli?, 3.28 7 Pn Pn, 15 05 10.4 +0.5

KNIK Mula-Seydike, 3.34 43 S S, 15 05 10.5 -0.4

KNIK, 15 06 43.0 -7.2

KNIK, 15 06 53.0

DNZT Denizli-Tavas, 3.39 33 P S, 15 05 12.4 +0.8

DNZT, 15 05 15.5 -0.3

DNZT, 15 06 18.0

CAEL Denizli, Camel, 3.41 38 P S, 15 05 12.9 +1.0

CAEL, 15 05 15.5 -0.7

ELL Elmalı, 3.47 48 Pn Pn, 15 05 14.7 +2.0

TAVA DENIZLI_Tavas, 3.50 30 P S, 15 05 13.8 +0.7

TAVA, 15 06 32.0

AKUM Antalya-Kumliuc, 3.50 57 P S, 15 05 13.4 +0.3

AKUM, 15 05 53.1 -1.3

Table with columns: CSS, Mathiatis, 5.47 83 S Sn, 15 06 43.1 +0.3, etc.

comp=N,2.9nm,0.3s,baz=275,slow=21,SNR=5.4

HRFR Wahat Farafira, 7.04 169 P Pn, 15 06 06.8 +0.2

AMAZ Amatzia, 7.47 111 P S, 15 06 07.9 +0.3

AMAZ Amatzia, 7.47 111 P S, 15 07 28.9 -3.2

MSBI Mount Malkishu, 7.54 103 P Sn, 15 06 08.1 +0.3

SALP Salfit, 7.48 106 S Pn, 15 07 29.5 -2.8

GEM Giv'at Ha'Em, 7.54 97 P S, 15 06 08.4 -0.2

GEM Giv'at Ha'Em, 7.54 97 P S, 15 07 31.7 +0.2

MMLI Mount Malkishu, 7.54 103 P Sn, 15 06 09.1 -2.5

MMLI Mount Malkishu, 7.54 103 P Sn, 15 07 30.7 -3.3

BRTR Keskin Array B, 7.64 44 P Sn, 15 06 11.2 +1.2

BRTR, 15 07 33.5 -3.0

BRTR, 15 10 22.8

BRTR, 15 06 11.4 +0.9

HMDT Nahal Hemdat, 7.68 104 P S, 15 07 35.4 -1.9

HMDT Nahal Hemdat, 7.68 104 P S, 15 06 10.8 -0.1

YTHR Yattir, 7.70 111 P S, 15 07 34.2 -3.7

KSHT Keshet, 7.71 98 P S, 15 06 11.1 +0.2

KSHT Keshet, 7.71 98 P S, 15 07 35.9 -2.3

DSI Dead Sea, 7.81 109 P Pn, 15 06 12.6 +0.3

DSI Dead Sea, 7.81 109 P Pn, 15 07 37.9 -2.7

MSBI Mazada, 8.01 111 P Pn, 15 06 12.9 -0.6

MSBI Mazada, 8.01 111 P Pn, 15 07 38.5 -0.3

KRMI Paran Flat, 8.03 120 P S, 15 06 15.1 -0.2

KRMI Paran Flat, 8.03 120 P S, 15 07 41.7 -4.3

GHAJ Ghor Haditha, 8.07 110 P S, 15 06 16.4 +0.6

GHAJ Ghor Haditha, 8.07 110 P S, 15 07 44.4 -2.4

PRN Paran, 8.10 118 P Pn, 15 06 15.8 -0.7

PRN Paran, 8.10 118 P Pn, 15 07 43.7 -4.1

HRFI Mount Harif, 8.30 120 P Pn, 15 06 19.6 +0.7

HRFI Mount Harif, 8.30 120 P Pn, 15 07 48.9 -3.6

MBRI Mt Berech, 8.35 121 P S, 15 06 19.9 +0.2

MBRI Mt Berech, 8.35 121 P S, 15 07 51.0 -3.0

EIL Eilat, 8.45 122 Pn Pn, 15 06 21.2 +0.2

EIL, 15 07 53.3 -2.9

EIL, 15 06 20.6 -0.4

EIL, 15 07 52.2 -4.0

ESF Jabal al Asfar, 8.81 102 Pn Pn, 15 06 26.6 +0.6

ASF, 15 08 05.0 -0.3

ASF, 15 08 05.0 -0.3

MLR Muntele Rosu, 11.05 357 LR LR, 15 12 04.1

KBZ, 15 07 59.3 +1.1

AKAGS Malin Array Be, 16.35 6 Pn Pn, 15 08 08.7 +0.6

AKAGS, 15 14 25.5

GERES GERESS Array B, 17.34 330 P Pn, 15 08 20.5 -0.1

GERES, 15 08 20.5 -0.1

DAVOS Davos/Dischmat, 17.71 319 LR LR, 15 18 03.7

ESDC Sonseca Array A, 24.97 291 Pn Pn, 15 09 42.8 +0.6

FINES FINES Array B, 27.02 359 P P, 15 10 01.5 +1.1

FINES, 15 10 01.5 +1.1

HFS Hagfors, 27.08 346 P Pn, 15 10 01.5 +0.6

NOA NORAR Array B, 28.43 344 LR LR, 15 23 28.7

EKA Eskdalemuir Ar, 29.37 325 P Pn, 15 10 22.1 +0.7

TORD Torodi Ar, 31.05 233 P Pn, 15 10 36.5 -0.1

ARCES ARCESS Array B, 35.15 359 P P, 15 11 10.2 -1.8

KURBB Kurchatov Arra, 40.58 50 P P, 15 11 58.3 +0.3

MKAR Makanchi Array, 43.10 56 P P, 15 12 19.7 +1.0

ZALV Zalesovo Beam, 44.58 46 P P, 15 12 31.3 +0.8

ZALV, 15 12 31.3 +0.8

SCHO Schefferville, 64.56 320 P P, 15 14 54.0 -1.5

CMAR Chiang Mai Arr, 65.37 84 P P, 15 15 02.3 +0.9

KSRS Korea Array, 77.69 53 LR LR, 15 55 08.8

YKA Yellowknife Arr, 78.52 343 P P, 15 16 20.7 +1.3

PDAR Pinedale Array, 93.38 329 P P, 15 17 34.6 +0.5

ANMO Albuquerque, 98.25 323 LR LR, 16 02 32.8

RSNC 10 15:06:13.2,0.4,0'S:2:8'1W, h0km, M3.6, mB4.9, mb4.3, ML3.1, Mw(MB)4.2

IGO 10 15:06:15.4,0.4,0'S:2:8'1W, h9km,1km, MLv3,9/36

ISC 10 15:06:17.2,0.1,0'17S:0:03:80E,0.04, h11km,8km, n105,0.189/133,41C-8Z, Near coast of Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, etc.

10d 16h

Table with columns: Station ID, Name, Comp, Z, T, S, P, M, V, W, X, Y, Z. Includes stations like Alice Springs, Kakadu, Mantong Dam, etc.

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Table with columns: Station ID, Name, Comp, Z, T, S, P, M, V, W, X, Y, Z. Includes stations like Bonanza Creek, Hollitna River, Ohwat River, etc.

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Table with columns: Station ID, Name, Comp, Z, T, S, P, M, V, W, X, Y, Z. Includes stations like Atlin, Log Cabin Wild, Nakin River, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like G26K Porcupine River, E24K Your Creek, C21K Knifblade Rid, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like STEB Steborrice, ONER Baraj Valez Uu, CFR Carcaji, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like STKA Stephens Creek, JTM Temmabayashi, ARMA Armida, etc.

TEH 10 16:29:28.0, 26°3'N, 59°57'E, h8km
OMAN 10 16:29:32.0, 1.0, 26°43'N, 59°44'E, h10km, ml3.0/19, Error ellipse: s-maj=1.1km s-min=0.7km az=23.0
ISC 10 16:29:29.1, 4.2, 26°60'N, 0.05, 59°48'E, h10km, n31, @170/48, Southern Iran

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like JASK Jask - Hormozg, JASK Jask - Hormozg, JASK Negor - Chabah, etc.

IDC 10 16:19:07.9, 0.7, 2°46'N, 126°58'E, h0km, mb4.0/12, mbmp4.0/12, MS2.7/3, Error ellipse: s-maj=40.2km s-min=14.5km az=73.0
DJA 10 16:19:12.0, 2.0, 4.2, N, 4°12'7"E, h10km, M4.1/13, mB4.6/2, mb4.4/5, MLV3.9/13, M(mB)3.9/2
NEIC 10 16:19:12.6, 1.6, 2°36'N, 10°126.43E, 0.07, h44km, 9km, mb4.0/16, Error ellipse: s-maj=16.7km s-min=6.1km az=213.0

ISC 10 16:19:13.6, 0.6, 2°51'N, 0.07, 126°85'E, 0.09, h53km, n41, @160/38, mb4.0/15, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like TNTI Ternate, TNTI Ternate, KMSI Cibanong, etc.

HEL 10 16:45:54.9, 0.1, 67°85'N, 20°13'E, h1km, ML1.7, ML2.2(UPP), ML1.9(BER), Confirmed Induced event
BER 10 16:45:56.7, 1.3, 67°88'N, 20°47'E, h1km, ML1.9, Confirmed Induced event

UPP 10 16:47:54.0, 0.0, 67°88'N, 20°15'E, h0km, ML2.3, Confirmed Induced event, Sweden

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like KUA Kuravaara, KUA Kuravaara, KUA Kuravaara, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like URZ Urewera, MKAZ Moutakai, and MRZ Mangatainoka R.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like CMSA Cobar Meteorol, TOO Toolangi, and WRA Warramunga Arr.

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like JMM Marumori, MJAR Matushiro Arr, and NVL N'Azarevskaya.

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like XAN, HDA, G19K, etc.

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like J30M, LAO, BTO, etc.

Table with columns for station ID, name, coordinates, and various performance metrics. Includes stations like MET, N38A, CCM, etc.

Table with columns: Name, Date, Time, Location, and other details. Includes entries like P52A Corning, GLMI Grayling, W57A Gilead, etc.

Table with columns: Name, Date, Time, Location, and other details. Includes entries like SVE Sverdlouk, SVE SVE, SVE SVE, etc.

Table with columns: Name, Date, Time, Location, and other details. Includes entries like KIEV Delary, DEL Delary, SIM Simferopol, etc.

WEL 17:01:15.1±0.4, 4.4°S±2.1×17.2E±1.1, h4km±1km, M2.5/6, M2.7/12, MLv2.5/6, Error ellipse: s-maj=3.1km s-min=2.1km az=7.6, South India

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GDAL Greendale, Dunsandel Scho, Darfield, Rakaia, etc.

JMA 10 17:11:41.0-0.1,24.4N:0.5x123.7E:0.3, h16km, mb4.1/7, MV1.8/9, NEAR ISHIGAKIJIMA Island, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, JKRS Kuro-shima, etc.

NOU 10 17:11:56.5,27.18S:175.02W, h34km, mb4.6/27, Kermaadec Islands Region

Text describing station parameters and coordinates for Kermaadec Islands Region, including IDs, coordinates, and error ellipses.

ISC 10 17:12:02.4-0.4, 27.20S:0.05:176.04W:0.08, h31km, n113, e1965/114, mb4.7/39, 4C-2D, Kermaadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO Raoul Island, MSFV Nonsavu, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTAO Charters Tower, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KHC Kasperske Hory, TORD Torodi Ar. Bea, etc.

TAP 10 17:12:05.6,24.70N:121.71E, h9km, ML0.9, B, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWE Neicheng, NDS Dongshan, etc.

NEIC 10 17:15:17.2,22.5S:0.1x175.4W:0.1, h35km, 2km, mb4.5/10, Error ellipse: s-maj=26.1km s-min=18.2km az=149.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIUE Niue, MSFV Nonsavu, etc.

ISC 10 17:15:17.0-0.2,27.5S:0.1x175.3W:0.1, h35km, n33, e182/26, mb4.2/14, Tonga Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTAO Charters Tower, STKA Stephens Creek, etc.

NOU 10 17:12:05.5,27.18S:175.02W, h34km, mb4.6/27, Kermaadec Islands Region

Text describing station parameters and coordinates for Kermaadec Islands Region, including IDs, coordinates, and error ellipses.

ISC 10 17:12:02.4-0.4, 27.20S:0.05:176.04W:0.08, h31km, n113, e1965/114, mb4.7/39, 4C-2D, Kermaadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO Raoul Island, MSFV Nonsavu, etc.

NOU 10 17:12:05.5,27.18S:175.02W, h34km, mb4.6/27, Kermaadec Islands Region

Text describing station parameters and coordinates for Kermaadec Islands Region, including IDs, coordinates, and error ellipses.

ISC 10 17:12:02.4-0.4, 27.20S:0.05:176.04W:0.08, h31km, n113, e1965/114, mb4.7/39, 4C-2D, Kermaadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO Raoul Island, MSFV Nonsavu, etc.

10d 17h

2019 JAN

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, TIP, Timpgrande, Pn, and various station identifiers. The table lists numerous radio stations and their technical details for January 2019.

Table with columns for station name, time, and other parameters. Includes stations like AKKB Malin Array Si, TNS Taunus Mts, MEM Mimbach, etc.

Table with columns for station name, time, and other parameters. Includes stations like NA001 NORSAR Array S, FINES FINES Array B, NOA NORSAR Array B, etc.

Table with columns for station name, time, and other parameters. Includes stations like BILL Bilibino, SEY Seymchan, YKA Yellowknife Ar, etc.

HKAT	Jabal Katrina	8.68 132	P	Pn	18 26 42.2 -1.4
ASF	Jabal al Asfar	8.88 103	Pn	Pn	18 26 45.3 -1.0
ASF	comp-Z,2.4nm,0.3s,baz=345,slow=19,SNR=1.4				18 28 27.0 +0.9
GAZ	Gaziantep	8.95 70	Pn	Pn	18 26 45.2 -2.0
MPEP	Malo Peshtene	9.08 346	P	Pn	18 26 51.4 +2.6
PUK	Puka	9.17 327	Pn	Pn	18 26 49.1 -1.1
TIP	Timpagrande	9.18 303	Pn	Pn	18 26 48.5 -1.7
TIP	Timpagrande	9.18 303	Pn	Pn	18 26 48.8 -1.5
TIP	Timpagrande	9.18 303	Pn	Pn	18 26 49.1 -1.2
TIP	Timpagrande	9.18 303	Pn	Pn	18 26 48.9 -1.4
HDKI	Dakhia	9.23 164	P	Pn	18 26 51.0 -0.8
HRRG	Ghardaqah	9.41 139	P	Pn	18 26 54.5 +1.0
ULC	Ulcinj	9.41 324	ePn	Pn	18 26 50.5 -3.0
ULC			iSn	Sn	18 28 24.8 -1.4
CEL	Celeste	9.43 296	P	Pn	18 26 52.4 -1.3
CEL	Celeste	9.43 296	P	Pn	18 26 54.0 +0.2
CEL	Celeste	9.43 296	P	Pn	18 26 52.3 -1.4
PVY	Plav	9.59 329	ePn	Pn	18 26 52.7 -3.2
PVY			iSn	Sn	18 28 28.5 -1.5
ICOR	Ion Corjuh	9.59 5	P	Pn	18 27 02.3 +6.5
AKRG	Al Kharjah	9.61 159	P	Pn	18 26 53.4 -0.9
DRME	Dracevica, Mon	9.61 325	ePn	Pn	18 26 53.4 -2.8
DRME			iSn	Sn	18 28 29.5 -1.4
GTR	Jabal at Tayr	9.63 158	P	Pn	18 26 55.6 -0.8
PDG	Podgorica	9.77 326	ePn	Pn	18 26 55.7 -2.6
PDG	Podgorica	9.77 326	ePn	Pn	18 26 56.0 -2.1
PDG	Podgorica	9.77 326	ePn	Pn	18 26 54.9 -2.9
PDG			iSn	Sn	18 28 33.1 -1.4
IVA	Berane	9.84 330	ePn	Pn	18 26 56.3 -3.1
IVA			iSn	Sn	18 28 34.6 -1.5
BUM	Brajci-Budva	9.84 324	iPn	Pn	18 26 56.4 -3.0
BUM			iSn	Sn	18 28 34.7 -1.5
BOVS	Bovan	9.85 338	iPn	Pn	18 27 00.0 +2.7
MATE	Matera	9.97 311	iPn	Pn	18 27 00.7 -0.3
KOME	Kolasin	9.98 322	ePn	Pn	18 26 58.3 -3.0
KOME			iSn	Sn	18 28 38.2 -1.5
CEME	Cevo	10.02 325	iPn	Pn	18 26 58.8 -3.0
CEME			iSn	Sn	18 28 39.0 -1.5
WDD	Wied Dalam	10.02 281	iPn	Pn	18 27 00.2 -1.5
WDD	Wied Dalam	10.02 281	iPn	Pn	18 27 01.5 -0.2
SJES	Sjenica	10.13 331	ePn	Pn	18 27 00.2 -3.2
HCY	Herceg Novi	10.15 323	ePn	Pn	18 26 58.5 -5.0
HCY	Herceg Novi	10.15 323	ePn	Pn	18 27 00.7 -2.8
HCY			iSn	Sn	18 28 42.3 -1.5
NKME	Niksic	10.17 326	ePn	Pn	18 27 01.0 -2.9
NKME			iSn	Sn	18 28 42.8 -1.5
CUC	Castrocuoco	10.20 305	P	Pn	18 27 03.0 -1.3
CUC	Castrocuoco	10.20 305	iPn	Pn	18 27 03.3 -1.0
RAFF	Raffo Rosso	10.34 309	P	Pn	18 27 04.1 -1.1
VAE	Valguranno	10.34 290	Pn	Pn	18 27 06.7 +0.5
VAE	comp-Z,1.3nm,0.3s,baz=90,slow=2.0,SNR=33				
VAE			Sn	Sn	18 28 54.1 -7.7
TREB	Trebjine	10.42 324	ePn	Pn	18 27 03.4 -3.8
PLE	Piljevici	10.43 329	ePn	Pn	18 27 04.4 -3.0
PLE			iSn	Sn	18 28 48.6 -1.5
CRU	Carcaiu	10.67 6	iPn	Pn	18 27 15.7 +5.1
CRU	Carcaiu	10.67 6	iPn	Pn	18 27 15.7 +5.1
RUDO	Rudo	10.67 330	ePn	Pn	18 27 05.0 -5.7
HERR	Herculane	10.81 344	iPn	Pn	18 27 14.5 +1.9
STON	Ston	10.85 323	ePn	Pn	18 27 09.5 -3.6
BBLćI	LazićI	10.86 331	ePn	Pn	18 27 10.2 -3.1
MVDR	Moldovita	10.90 341	iPn	Pn	18 27 17.5 +3.7
ARR	Arges	10.97 342	iPn	Pn	18 27 18.4 +1.9
MLR	Muntele Rosu	10.94 357	Pn	Pn	18 27 18.0 +3.6
MLR	comp-Z,0.2nm,0.3s,baz=192,slow=12,SNR=15				
MLR			LR	LR	18 32 21.8
MLR	Muntele Rosu	10.94 357	iPn	Pn	18 27 18.1 +3.7
MLR	Muntele Rosu	10.94 357	iPn	Pn	18 27 19.9 +5.5
LOT	Lotru	11.10 349	iPn	Pn	18 27 22.5 +5.8
GZR	Gura Zlata	11.22 346	iPn	Pn	18 27 20.8 +2.5
GZR	Gura Zlata	11.22 346	iPn	Pn	18 27 23.0 +4.2
HAPS	Han Pijesak, BI	11.23 330	ePn	Pn	18 27 14.2 -4.2
PLOH	Plostinia	11.28 360	iPn	Pn	18 27 24.8 +5.7
PLOR	Plostinia	11.28 360	iPn	Pn	18 27 24.8 +5.8
CLTB	Caltabellotta	11.27 261	iPn	Pn	18 27 26.1 +6.9
VRI	Vrincioaia	11.30 0	iPn	Pn	18 27 26.1 +6.9
VRI	Vrincioaia	11.30 0	iPn	Pn	18 27 26.1 +6.9
TEKS	Tekeris	11.39 333	ePn	Pn	18 27 17.3 -3.2
DOPR	Dopca	11.44 356	iPn	Pn	18 27 25.7 +4.5
TURR	Turia	11.50 358	iPn	Pn	18 27 26.4 +4.5
PAOL	Paolisi	11.54 308	Pn	Pn	18 27 31.7 +0.9
BZS	Buzias	11.70 342	iPn	Pn	18 27 26.9 +2.2
BZS	Buzias	11.70 342	iPn	Pn	18 27 27.3 +2.6
BZS			pmax	pmax	
BZS	comp-Z,2.1nm,1.0s				
BZS	Buzias	11.70 342	iPn	Pn	18 27 27.5 +2.8
SURR	Surdic	11.71 344	iPn	Pn	18 27 28.0 +3.2
ONER	Baraj Valea Uz	11.77 359	iPn	Pn	18 27 32.7 +7.0
FRGS	Fruska Gora	11.82 336	ePn	Pn	18 27 23.6 -1.8
SIM	Simferopol'	11.85 27	ePn	Pn	18 27 29.0 +2.2
SIM			pmax	pmax	
SIRR	Siria	12.30 344	iPn	Pn	18 27 36.2 +3.2
MARR	Marisel-Cluj	12.40 349	iPn	Pn	18 27 37.5 +3.1
BLY	Banja Luka	12.52 327	ePn	Pn	18 27 30.5 -5.4
DRGR	Drigr	12.58 347	iPn	Pn	18 27 38.7 +1.9
DRGR			pmax	pmax	
A050A	Klekovaca	12.62 325	ePn	Pn	18 27 32.9 -4.4
A051A	Mravacka	12.85 327	ePn	Pn	18 27 34.8 -5.7
BURAR	Bucovina Array	13.09 356	iPn	Pn	18 27 50.5 -3.5
BURAR	Bucovina Array	13.09 356	iPn	Pn	18 27 50.5 -3.5
MORH	Mirgy, Hungar	13.14 335	ePn	Pn	18 27 44.7 +0.3
ANN	Anapa	13.16 36	eS	Sn	18 30 09.7 +1.1
ANN			pmax	pmax	
KOVH	Kovagototos	13.23 333	iPn	Pn	18 27 46.4 +0.7
SOC	Sochi	13.55 44	ePn	Pn	18 27 50.5 +0.5
SOC			e	e	18 30 19.4
SOC	comp-Z,3.7nm,0.9s				
SOC			MLR	MLR	
SORM	Soroca	13.62 5	iPn	Pn	18 27 56.6 -3.2
SORM	Soroca	13.62 5	iPn	Pn	18 27 56.6 -3.2
PTJ	Puntijarka	13.96 328	P	Pn	18 27 55.4 -0.2
BOJ	Bojanci	13.98 325	ePn	Pn	18 27 52.0 -3.9
MGAB	Montegabbione	14.08 311	iPn	Pn	18 27 59.1 +1.9
CRES	Cresnevjevo Ost	14.13 326	ePn	Pn	18 27 55.4 -2.5
KEST	Kesra	14.22 280	Pn	Pn	18 27 59.3 0.0
KEST	comp-Z,0.3nm,0.3s,baz=107,slow=20,SNR=8.3				
KEST			Sn	Sn	18 30 29.2 -7.6
KEST	Kesra	14.22 280	P	Pn	18 27 58.9 -0.4
KEST			S	S	18 27 58.9 -0.4
KEST			S	S	18 30 29.0 -7.8
PSZ	Piszkesteto	14.28 341	iPn	Pn	18 28 02.2 +2.2
PSZ	Piszkesteto	14.28 341	iPn	Pn	18 28 02.2 +2.2
PSZ	Piszkesteto	14.28 341	iPn	Pn	18 28 02.8 +2.7
PSZ	Piszkesteto	14.28 341	iPn	Pn	18 28 02.5 +2.4
KARS	Kars	14.35 60	iPn	Pn	18 28 01.8 +0.7
KARS	Kars	14.35 60	iPn	Pn	18 28 01.8 +0.7
CEY	Cernicka	14.55 324	ePn	Pn	18 27 59.9 -3.8
SKDS	Skadanscina	14.62 322	ePn	Pn	18 28 01.2 -3.4
MORS	Morshin	14.71 353	P	Pn	18 28 13.9 +2.0
KOLS	Kolonickie sedl	14.73 349	ePn	Pn	18 28 10.1 -2.0
KOLS			pmax	pmax	
KOLS	Kolonickie sedl	14.73 349	ePn	Pn	18 28 10.1 -2.0
LABN	Labinsk	14.78 43	eS	Sn	18 28 07.2 +0.5
LABN			eS	Sn	18 30 49.1 -0.9
LABN			pmax	pmax	
SOKA	Soboth	14.96 327	iPn	Pn	18 28 06.8 -2.5
OBKA	Obir	15.06 326	ePn	Pn	18 28 08.9 -1.7
OBKA	comp-Z,6.1nm,0.6s				
OBKA			eS	Sn	18 31 00.1 +3.1
OBKA	Obir	15.06 326	ePn	Pn	18 28 07.6 -3.0

VYHS	Vyhne	15.10 340	eP	Pn	18 28 11.5 +0.5
VYHS			pmax	pmax	
VYHS	Vyhne	15.10 340	eP	Pn	18 28 11.5 +0.5
SABO	Mite Sabotino	15.13 323	iAmb	Pn	18 28 17.2
SOP	Sopron	15.14 333	P	P	18 28 17.0 +0.3
SOP			pmax	pmax	
ARSA	Arzberg	15.20 330	ePn	Pn	18 28 12.3 -0.1
ARSA	Arzberg	15.20 330	ePn	Pn	18 28 12.3 -0.1
ARSA	Arzberg	15.20 330	ePn	Pn	18 28 12.4 -0.1
ARSA	Rosalia, Austr	15.26 332	ePn	Pn	18 28 12.2 -1.0
ERBR	Feremizin-Bor	15.34 39	eS	Pn	18 28 16.7 -2.1
ERBR			S	S	18 31 07.1 +3.5
ERBR			pmax	pmax	
KWP	Kalwarja Pacia	15.34 350	eP	Pn	18 28 21.0 +2.0
STHS	Stebnicka Huta	15.38 347	eP	Pn	18 28 19.7 +0.4
STHS			pmax	pmax	
STHS	Stebnicka Huta	15.38 347	eP	P	18 28 19.7 +0.4
SHA1	Shidzhatmaz	15.41 49	eP	Pn	18 28 19.5 -0.4
GNI	Garni	15.41 63	P	Pn	18 28 19.7 -0.3
GNI	Garni	15.41 63	P	Pn	18 28 19.7 -0.3
GNI			LR	LR	18 36 03.2
GNI	Garni	15.41 63	P	Pn	18 28 20.4 +0.4
GNI			S	S	18 31 05.8 -0.1
GNI	Garni	15.41 63	P	Pn	18 28 20.9 +0.9
LANS	Liptovska Anna	15.53 342	eP	Pn	18 28 21.6 +0.6
LANS			pmax	pmax	
LANS	Liptovska Anna	15.53 342	eP	P	18 28 21.6 +0.6
LANS	Kislovodsk	15.54 48	ePn	Pn	18 28 19.7 +0.8
LANS	Kislovodsk	15.54 48	ePn	P	18 28 19.6 -1.6
KIV	Kislovodsk	15.54 48	P	Sn	18 28 19.5 -1.6
KIV	Kislovodsk	15.54 48	P	Sn	18 28 20.8 -0.4
KIV	Kislovodsk	15.54 48	eP	P	18 28 19.6 -1.6
KIV			pmax	pmax	
KIV	comp-Z,4.9nm,1.0s				
KIV			MLR	MLR	
KIV	comp-Z,5.36nm,13.0s				
KIV	Kislovodsk	15.54 48	P	P	18 28 19.0 -2.2
KIV	comp-Z,8.4nm,1.2s				
KIV	Kislovodsk	15.54 48	iPn	Pn	18 28 21.1 -0.2
KVAR	Kislovodsk Arr	15.54 48	Pn	Pn	18 28 19.1 -2.2
KVAR			LR	LR	18 36 05.7
KVAR	comp-Z,1.7nm,0.4s,baz=258,slow=2.0,SNR=2.3				
KVAR			LR	LR	18 36 05.7
KBZ	Khabaz	15.55 49	P	Pn	18 28 20.3 -0.9
KBZ	comp-Z,0.3nm,0.3s,baz=241,slow=12,SNR=29				
KBZ			LR	LR	18 34 29.9
KBZ	comp-Z,1.1nm,0.2s,baz=234,slow=38				
KBZ			pmax	pmax	
KBZ	Khabaz	15.55 49	iPn	Pn	18 28 19.7 -1.5
MYKA	Terra Mystica	15.57 325	ePn	Pn	18 28 21.9 +0.4
NIE	Niedzica	15.58 344	ePn	Pn	18 28 22.8 +1.1
NIE	Niedzica	15.58 344	ePn	Pn	18 28 22.6 +1.1
CONA	Conrad Observa	15.61 332	ePn	Pn	18 28 17.4 -0.5
JAVC	Velka Javorina	15.77 338	ePn	Pn	18 28 19.6 -0.3
NCK	Nalchik	15.88 511	ePn	Pn	18 28 25.2 +0.3
CIMO	Cimolais	15.94 322	ePn	Pn	18 28 19.4 -2.5
KBA	Koelbrenspeer	16.04 325	ePn	Pn	18 28 26.9 +0.1
KBA	Koelbrenspeer	16.04 325	P	pmax	18 28 26.9 +0.1
AK07	Malin Array Si	16.09 6	P	Pn	18 28 24.3 +0.4
AK06	Malin Array Si	16.13 6	P	Pn	18 28 24.9 +0.5
AK10	Malin Array Si	16.14 6	P	Pn	18 28 25.1 +0.5
AK05	Malin Array Si	16.16 6	P	Pn	18 28 25.5 +0.7
AK09	Malin Array Si	16.16 6	P	Pn	18

10d 18h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like MNK, MNK, MNI, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like BLEU, BELG, ENIJ, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like PCVE, PMTG, BLS5, etc.

TRO	Tromso	35.39 355	eP	P	18 31 31.3	-1.8
TRO				I/Amb	18 31 35.5	
TRKS	Terek-Say	35.40 65	P	P	18 31 35.8	+2.0
DZA	Taraz	35.48 63	eP	P	18 31 35.6	+1.3
DZA	Taraz	35.48 63	eP	P	18 31 35.6	+1.3
PMPST	Porto Santo, M	35.56 280	eP	P	18 31 36.1	+1.1
PMPST				I/Amb	18 31 36.2	
PMPSP	Porto Santo	35.56 280	eP	P	18 31 35.4	+0.4
PMPSP				I/Amb	18 31 55.5	
VADS	Vadso	35.65 2	eP	P	18 31 35.0	-0.3
VADS				I/Amb	18 31 40.1	
BRVK	Borovoye	35.82 45	P	P	18 31 37.4	+0.3
BRVK				I/Amb	18 31 54.1	
BRVK	Borovoye	35.82 45	P	P	18 31 38.2	+1.2
BRVK	Borovoye	35.82 45	eP	P	18 31 38.1	+1.1
BRVK				pmax		
BRVK	Borovoye	35.82 45	P	P	18 31 38.4	+1.4
BRVK	Borovoye	35.82 45	P	P	18 31 38.2	+1.2
BRVK				pP	18 31 48.7	+7.4
BRVK				sP	18 31 3.3	+1.0
BVAR	Borovoye Array	35.88 45	P	P	18 31 38.6	+1.1
ARIT	Arkit	36.00 65	P	P	18 31 40.9	+2.0
PMAR	Madeira	36.12 280	eP	P	18 31 41.3	+1.2
PMAR				I/Amb	18 31 48.6	
HAMF	Hammerfest	36.18 358	eP	P	18 31 39.5	-0.3
HAMF				I/Amb	18 31 42.8	
BRZS	Berezni	36.75 51	eP	P	18 31 46.0	+1.0
BRZS	Berezni	36.75 51	eP	P	18 31 46.0	+1.0
KMBO	Kilima Mbogo	36.86 162	LR	LR	18 47 06.4	
BTLS	Baital	37.40 59	eP	P	18 31 51.7	+1.1
BTLS	Baital	37.40 59	eP	P	18 31 51.8	+1.1
ARLS	Aral	37.56 64	P	P	18 31 55.5	+1.7
AAK	Ala-Archa	37.82 63	P	P	18 31 55.5	+1.1
AAK				I/Amb	18 32 08.1	
AAK	Ala-Archa	37.82 63	LR	LR	18 51 15.4	
AAK	Ala-Archa	37.82 63	P	P	18 31 56.4	+2.0
AAK	Ala-Archa	37.82 63	P	P	18 31 56.4	+2.0
AAK	Ala-Archa	37.82 63	P	P	18 31 55.8	+1.4
AAK				pmax		
AAK	Ala-Archa	37.82 63	P	P	18 31 56.2	+1.9
AAK	Ala-Archa	37.82 63	P	P	18 31 56.3	+1.9
AAK				pP	18 32 06.4	+7.8
AAK				sP	18 32 11.7	+1.1
SGDS	Sogindyo	37.87 62	eP	P	18 31 55.8	+1.1
SGDS	Sogindyo	37.87 62	eP	P	18 31 55.8	+1.1
FRU1	Bishkek	37.91 63	P	P	18 31 56.5	+1.5
KSH	Kashi	39.28 68	P	P	18 32 06.4	+0.2
KSH				sP	18 32 15.8	+1.9
AAA	Alma-Ata	39.55 62	eP	P	18 32 10.0	+1.2
AAA				pmax		
AAA	Alma-Ata	39.55 62	eP	P	18 32 10.0	+1.2
TNSS	Tian-Shan	39.59 62	eP	P	18 32 10.3	+0.8
TNSS	Tian-Shan	39.59 62	eP	P	18 32 10.3	+0.8
MDOK	Medeo	39.65 62	eP	P	18 32 10.7	+1.0
MDOK	Medeo	39.65 62	eP	P	18 32 10.8	+1.0
KDJ	Kajisay	39.85 64	P	P	18 32 12.8	+1.4
KDJ	Kajisay	39.85 64	P	P	18 32 12.8	+1.4
DBIC	Dimbokro	40.18 234	P	P	18 32 13.2	-0.9
DBIC				I/Amb	18 32 14.9	
DBIC	Dimbokro	40.18 234	P	P	18 32 13.2	-0.9
DBIC				pmax		
DBIC	Dimbokro	40.18 234	P	P	18 32 13.8	-0.4
DBIC	Dimbokro	40.18 234	P	P	18 32 13.8	-0.4
TDK	Taldyqorghan	40.49 59	eP	P	18 32 17.7	+1.2
TDK				pmax		
TDK	Taldyqorghan	40.49 59	eP	P	18 32 17.7	+1.2
KURBB	Kurchatov Arra	40.55 50	P	P	18 32 17.8	+1.0
KURBB				P	18 34 19.6	+0.7
KURBB	Kurchatov	40.61 50	P	P	18 32 17.7	+0.4
KURBB				I/Amb	18 32 32.3	
KURK	Kurchatov	40.61 50	P	P	18 32 18.5	+1.2
KURK	Kurchatov	40.61 50	P	P	18 32 18.0	+0.7
KURK				pmax		
KURK	Kurchatov	40.61 50	P	P	18 32 18.6	+1.3
KURK	Kurchatov	40.61 50	P	P	18 32 18.6	+1.3
KURK				pP	18 32 29.3	+7.7
SATY	Saty	40.65 62	eP	P	18 32 19.1	+1.1
SATY	Saty	40.65 62	eP	P	18 32 19.1	+1.1
KPKS	Kokpek	40.81 61	eP	P	18 32 20.3	+1.1
KPKS	Kokpek	40.81 61	eP	P	18 32 20.4	+1.1
JMKS	Jan Mergen	41.01 343	LR	LR	18 50 26.5	
UZB	Uzymbulak	41.09 62	eP	P	18 32 22.7	+1.1
UZB	Uzymbulak	41.09 62	eP	P	18 32 22.7	+1.1
SHLS	Shalkode	41.41 62	eP	P	18 32 27.8	+3.6
SHLS	Shalkode	41.41 62	eP	P	18 32 27.8	+3.6
WUS	Wushi	41.48 65	I/Amb	I/Amb	18 32 38.1	
WUS	Wushi	41.48 65	P	P	18 32 26.5	+1.7
WUS				pP	18 32 37.2	+8.1
BORG	Borgarnes	41.67 331	LR	LR	18 51 57.6	
BORG	Borgarnes	41.67 331	P	P	18 32 27.3	+1.5
BORG				pP	18 32 37.5	+7.5
MAKZ	Makanchi	42.86 56	P	P	18 32 36.8	+0.9
MAKZ	Makanchi	42.86 56	P	P	18 32 36.8	+0.9
MAKZ				pmax		
MAKZ	Makanchi	42.86 56	P	P	18 32 37.3	+1.4
MAKZ	Makanchi	42.86 56	P	P	18 32 37.2	+1.3
MAKZ				pP	18 32 47.7	+7.5
MK31	Makanchi Array	43.08 56	P	P	18 32 38.7	+1.0
MKAR	Makanchi Array	43.08 56	P	P	18 32 38.5	+0.8
MKAR				P	18 34 28.5	+1.1
MKAR	Makanchi Array	43.08 56	P	P	18 32 38.1	+1.2
MKAR				LR	18 53 32.5	
MKAR	Makanchi Array	43.08 56	P	P	18 32 39.0	+1.3
MKAR				pmax		
SPAO	Spitsbergen Ar	43.95 357	eP	P	18 32 44.1	-0.1
SPITS	Spitsbergen Ar	43.95 357	P	P	18 32 43.6	-0.7
SPITS				P	18 34 30.6	+0.8
SCO	Scoresbysund	44.34 339	iP	P	18 32 48.0	+0.6
ZAAO	Zalesovo Array	44.53 46	I/Amb	I/Amb	18 33 00.5	
ZALV	Zalesovo Beam	44.53 46	P	P	18 32 49.5	+0.3
ZALV				LR	18 55 34.0	
ZALV	Zalesovo Beam	44.53 46	iP	P	18 32 49.9	+0.7
ZALV				pmax		

ZSN	Zaisan	44.78 55	eP	P	18 32 52.3	+1.0
ZSN	Zaisan	44.78 55	eP	P	18 32 52.3	+1.0
DBG	Daneborg	45.83 344	iP	P	18 32 59.7	+0.5
WUQ	Urumqi	47.24 60	eP	P	18 33 13.3	+3.1
WUQ				sP	18 33 22.0	+3.0
WUQ				pmax		
WUQ				LR	18 33 25.5	
WUQ				LR	18 33 25.5	
NR1K	Nori'sk	47.91 25	P	P	18 33 15.9	+0.4
NR1K				I/Amb	18 33 48.5	
NR1K	Nori'sk	47.91 25	P	P	18 33 16.1	+0.6
NR1K				I/Amb	18 33 54.1	
NR1K	Nori'sk	47.91 25	P	P	18 33 16.3	+0.8
NR1K				pmax		
ISOG	Isortoq, Green	49.07 330	iP	P	18 33 24.4	-0.1
ISOG				I/Amb	18 33 25.5	
HYB	Hyderabad	49.13 97	eP	sP	18 33 25.6	-0.1
HYB				eS	18 33 30.3	-1.7
HYB				S	18 33 29.6	+0.6
LSZ	Lusaka	49.58 178	P	P	18 34 53.8	
LSZ				I/Amb		
LSZ	Lusaka	49.58 178	P	P	18 33 30.7	+1.7
LSZ	Lusaka	49.58 178	P	P	18 33 29.6	+0.6
LSZ				pmax		
NOR	Nord	49.70 352	iP	P	18 33 26.7	-2.5
NOR				I/Amb	18 33 32.5	
NOR	Nord	49.70 352	P	P	18 33 28.2	-1.0
ICESG	Greenland Ices	49.76 334	iP	P	18 33 29.6	-0.6
ICESG				I/Amb	18 33 41.0	
SUMG	Summit	49.98 339	P	P	18 33 31.6	-0.3
SUMG	Summit	49.98 339	P	P	18 33 31.6	-0.3
SUMG				pmax		
SUMG	Summit	49.98 339	iP	P	18 33 31.0	-0.9
SUMG				I/Amb	18 33 33.0	
SUMG	Summit	49.98 339	P	P	18 33 32.1	+0.2
NRS	Narsarsuaq	51.91 324	iP	P	18 33 44.2	-1.8
NRS				I/Amb	18 33 55.2	
DY2G	Dye2	52.09 331	iP	P	18 33 47.1	-0.5
DY2G				I/Amb	18 33 59.7	
SFJD	Kangerlussuaq	53.80 332	LR	LR	18 59 33.8	
SFJD				LR	18 59 33.8	
NEEM	North Greenlan	53.89 345	iP	P	18 33 59.9	-1.0
NEEM				I/Amb	18 34 01.4	
LSA	Lhasa	54.01 76	P	P	18 34 01.8	-0.8
MOY	Mondy	54.51 47	eP	P	18 34 07.2	+1.7
GOMU	GeErMu	54.52 67	P	P	18 33 59.4	-6.7
GOMU				pP	18 34 05.5	-5.2
GOMU				sP	18 34 13.7	+0.2
GOMU				pmax		
UPNV	Upernavik	55.26 339	iP	P	18 34 09.0	-1.4
UPNV				I/Amb	18 34 16.2	
KULLO	Kullorsuaq	55.42 341	iP	P	18 34 10.1	-1.5
KULLO				I/Amb	18 34 17.0	
KULLO	Alert	55.42 341	P	P	18 34 11.5	0.0
KULLO				pP	18 34 14.3	-0.2
ALE	Zak	55.83 351	P	P	18 34 24.7	+6.1
ZAK	Zakamensk	56.22 49	eP	P	18 34 18.5	+0.7
ZAK				pmax		
SHL	Shillong	56.30 80	P	P	18 34 17.9	-1.0
SHL				I/Amb	18 34 31.7	
SHL	Shillong	56.30 80	P	P	18 34 17.5	-0.4
SHL	Shillong	56.30 80	P	P	18 34 17.9	-1.0
SHL				pmax		
IRK	Irkutsk	56.35 46	eP	P	18 34 18.8	+0.2
IRK				pmax		
GTA	Gaotai	57.16 62	eP	P	18 34 25.0	+0.3
GTA				sP	18 34 35.7	+3.6
GTA				pmax		
GTA				LR	18 34 41.0	
GTA				LR	18 34 41.0	
GTA				LR	18 34 41.0	
GTA				LR	18 34 41.0	
GTA				LR	18 34 41.0	
WIN	Windhoek	57.53 190	P	P	18 34 28.2	+0.8
WIN				I/Amb	18 34 31.2	
WIN	Windhoek	57.53 190	P	P	18 34 28.2	+0.8
WIN				pmax		
TULEG	Thule	57.97 344	P	P	18 34 28.4	-1.2
TULEG	Thule	57.97 344	iP	P	18 34 28.0	-1.6
TULEG				I/Amb	18 34 31.6	
SONM	Songino Arra	58.91 51	P	P	18 34 38.1	+1.3
SONM				P	18 34 38.1	+1.3
ULN	Ulaanbaatar	59.32 51	P	P	18 34 40.2	+0.5
ULN				I/Amb	18 34 41.8	
ULN	Ulaanbaatar	59.32 51	P	P	18 34 41.1	+1.3
ULN	Ulaanbaatar	59.32 51	P	P	18 34 41.0	+1.3
ULN				pmax		
ULN	Ulaanbaatar	59.32 51	P	P	18 34 41.0	+1.3
ULN				pP	18 34 52.0	+7.9
TIXI	Tiksi	61.30 21	P	P	18 34 52.7	+0.1
TIXI	Tiksi	61.30 21	P	P	18 34 52.7	+0.1
TIXI				LR	19 05 17.1	
TIXI	Tiksi	61.30 21				

10d 18h

C19K	Lookout Ridge	76.54	2	P	P	18 36 27.7 +0.2
D24K	Happy Valley	76.54	358	P	P	18 36 27.9 +0.5
C21K	Knifeflade Rid	76.59	1	P	P	18 36 28.0 +0.3
E28M	Babbage River	76.64	355	P	P	18 36 28.3 +0.3
D23K	Nanushuk River	76.77	359	I	Amb	18 36 30.5
D23K	Nanushuk River	76.77	359	P	P	18 36 29.3 +0.6
D22K	Aiyikyak River	76.87	360	P	P	18 36 29.9 +0.6
C18K	Utukok River	76.94	3	P	P	18 36 30.1 +0.3
VLA	Vladivostok	76.94	46	eP	pmax	18 36 30.0 -0.1
C17K	DeLong Mountai	77.02	4	P	P	18 36 30.6 +0.5
TOLK	Toolik Lake Re	77.08	359	I	Amb	18 36 43.0
TOLK	Toolik Lake Re	77.08	359	P	P	18 36 31.0 +0.5
C16K	Lisburne Hills	77.09	5	P	P	18 36 30.8 +0.3
E27K	Coleen River	77.19	356	P	P	18 36 31.4 +0.2
F31M	Tsiigehtich	77.24	352	P	P	18 36 31.4 0.0
F30M	Barrier River	77.28	353	P	P	18 36 31.2 -0.5
RDOG	Red Dog Mine	77.45	4	P	P	18 36 32.7 +0.2
E25K	Arctic Village	77.47	357	I	Amb	18 36 45.0
E25K	Arctic Village	77.47	357	P	P	18 36 33.4 +0.6
E24K	Your Creek	77.62	358	P	P	18 36 33.5 -0.1
F28M	Old Crow	77.64	355	P	P	18 36 33.8 +0.2
E23K	Chandalar	77.66	359	P	P	18 36 34.0 +0.1
KSR5	Korea Array	77.66	53	P	P	18 36 35.0 +0.8
D17K	Noatak River	77.79	4	P	P	18 36 34.3 -0.1
G31M	Satah River	77.80	352	P	P	18 36 34.4 -0.1
F26K	Sheenjek River	77.83	356	I	Amb	18 36 47.3
F26K	Sheenjek River	77.83	356	P	P	18 36 34.9 +0.2
G30M	Aoh Zraii Njii	77.94	353	P	P	18 36 34.6 -0.8
F25K	Christian River	78.00	357	I	Amb	18 36 37.5
F25K	Christian River	78.00	357	P	P	18 36 36.1 +0.4
BMAR	Burnt Mountain	78.11	357	P	P	18 36 36.3 -0.1
F24K	Squaw Lake	78.16	358	P	P	18 36 37.3 +0.7
G29M	Pine Creek	78.17	354	P	P	18 36 36.3 -0.4
E18K	Tukpahlearik C	78.19	3	P	P	18 36 36.4 -0.3
E19K	Redstone River	78.26	2	P	P	18 36 36.9 -0.2
YKA	Yellowknife Ar	78.40	343	P	P	18 36 37.4 -0.4
YKA	Yellowknife Ar	78.40	343	LR	LR	19 14 31.1
E17K	Hotnam Inlet	78.47	3	P	P	18 36 38.4 +0.2
COLD	Coldfoot	78.50	359	P	P	18 36 38.8 +0.3
F21K	Alatina River	78.54	0	P	P	18 36 39.2 +0.6
G26K	Porcupine River	78.56	356	P	P	18 36 39.0 +0.4
G27K	Doyon Strip	78.56	355	I	Amb	18 36 40.3
G27K	Doyon Strip	78.56	355	P	P	18 36 39.4 +0.6
EPYK	Eagle Plains	78.58	353	P	P	18 36 38.6 -0.3
F20K	Avarart Lake	78.70	1	P	P	18 36 39.4 -0.1
F19K	Shaleruckik Mo	78.87	2	P	P	18 36 40.0 -0.4
H31M	Peel River	78.88	352	P	P	18 36 40.5 -0.1
H29M	Whitestone	78.88	354	P	P	18 36 40.5 0.0
G24K	Hadweenzic Riv	78.96	358	I	Amb	18 37 31.2
G24K	Hadweenzic Riv	78.96	358	P	P	18 36 41.0 0.0
G23K	Bananza Creek	79.02	359	I	Amb	18 36 53.8
G23K	Bananza Creek	79.02	359	P	P	18 36 41.5 +0.2
F18K	Selawik	79.05	3	P	P	18 36 41.4 +0.2
H27K	Steamboat Moun	79.17	355	P	P	18 36 42.3 +0.4
G21K	Allakaket	79.25	0	P	P	18 36 42.8 +0.2
G21K	Allakaket	79.25	0	I	Amb	18 36 43.9
TNA	Tin City	79.56	6	P	P	18 36 44.2 0.0
G19K	Purcell Mountai	79.58	2	I	Amb	18 36 56.4
G19K	Purcell Mountai	79.58	2	P	P	18 36 44.5 +0.1
I30M	Mount Dempster	79.67	353	P	P	18 36 44.8 -0.2
F15K	North Star Dit	79.67	5	P	P	18 36 44.7 -0.2
I27K	Kandik River	79.75	355	P	P	18 36 45.3 0.0
I28M	Miner Creek	79.77	354	P	P	18 36 45.4 -0.2
G18K	Tagagawik	79.79	2	P	P	18 36 45.0 -0.5
H24K	Noodor Dome	79.84	358	P	P	18 36 46.5 +0.7
H22K	Ishlailitna Cre	79.86	359	P	P	18 36 46.9 +1.0
PRP	Porcupine Dome	80.07	357	P	P	18 36 47.1 -0.1
G17K	Kiwalik Mounta	80.11	3	P	P	18 36 47.3 +0.1
H21K	Melozitna River	80.11	360	P	P	18 36 47.9 +0.6
G16K	Koyuk River	80.13	4	P	P	18 36 47.3 0.0
I26K	Coal Creek Min	80.15	356	I	Amb	18 36 59.5
I26K	Coal Creek Min	80.15	356	P	P	18 36 47.6 +0.2
H19K	Roundabout Mou	80.21	1	P	P	18 36 48.1 +0.4
H20K	Antoleneega Mo	80.27	1	P	P	18 36 48.5 +0.4
J30M	Hart River	80.29	353	P	P	18 36 48.4 0.0
G15K	Niukluk	80.42	5	P	P	18 36 48.6 -0.3
EGAK	Eagle	80.53	355	I	Amb	18 36 53.1
EGAK	Eagle	80.53	355	P	P	18 36 49.5 0.0
H18K	Honhosa River	80.54	2	P	P	18 36 49.8 +0.2
POKR	Poker Plat Res	80.55	357	P	P	18 36 49.7 +0.1
I23K	Minto, Yukon-K	80.57	358	I	Amb	18 37 01.5
I23K	Minto, Yukon-K	80.57	358	P	P	18 36 49.7 0.0
YSS	Yuzhno-Sakhali	80.64	39	eP	P	18 36 51.3 +0.9

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YSS	comp=Z,20nm,1.1s			pmax	pmax	
H17K	Granite Mounta	80.70	3	P	P	18 36 50.1 -0.4
FFC	Flin Flon	80.74	333	I	Amb	18 36 50.3 -0.5
FFC	Flin Flon	80.74	333	P	P	18 38 33.0
FFC	Flin Flon	80.74	333	pmax	pmax	18 36 50.3 -0.5
ANM	Nome	80.75	5	P	P	18 36 50.9 +0.2
COLA	College	80.80	358	eP	P	18 36 51.7 +0.8
IL31	Eielson Array	80.87	357	I	Amb	18 37 03.1
ILAR	Eielson Array	80.87	357	P	P	18 36 51.3 0.0
H16K	Gambell	80.89	4	P	P	18 36 50.9 -0.4
GAMB	Gambell	80.92	8	P	P	18 36 51.5 0.0
J25K	Salcha River,	80.96	357	P	P	18 36 51.9 0.0
J26L	Joseph Creek	80.97	356	P	P	18 36 51.6 -0.4
GCSA	Galena City Sc	80.99	2	P	P	18 36 51.9 0.0
DAWY	Dawson	81.09	354	P	P	18 36 52.3 -0.3
NEA2	Nenana	81.12	358	P	P	18 36 52.8 +0.2
K29M	Barlow Dome	81.13	353	P	P	18 36 53.1 +0.2
MAYO	Mayo, Yukon	81.20	352	P	P	18 36 53.1 0.0
HDA	Harding Lake	81.23	357	P	P	18 36 52.8 -0.5
ULM	Lac du Bonnet	81.49	327	I	Amb	18 37 06.9
ULM	Lac du Bonnet	81.49	327	P	P	18 36 54.6 -0.3
ULM	Lac du Bonnet	81.49	327	LR	LR	19 15 17.4
SCRK	Scar Creek	81.52	356	P	P	18 36 55.2 +0.2
J20K	Nowinta River	81.60	0	P	P	18 36 55.5 +0.3
BPAW	Bea Paw Mtn.	81.66	359	P	P	18 36 55.0 -0.5
I17K	Unalakleet	81.72	3	P	P	18 36 55.7 -0.1
J19K	Poorman	81.77	1	P	P	18 36 56.2 +0.1
K24K	Donnelly Dome	81.79	357	P	P	18 36 56.1 -0.1
RIDG	Independent Ri	81.80	356	P	P	18 36 56.3 0.0
CHUM	Lake Minchumim	81.89	350	P	P	18 36 56.2 -0.5
L29M	L29M	81.91	353	I	Amb	18 37 09.1
L29M	L29M	81.91	353	P	P	18 36 56.9 -0.1
MCK	McKinley	81.98	358	P	P	18 36 57.5 +0.2
JNU	Nakuuse	82.13	55	P	P	18 36 59.1 +0.5
FARO	Faro, Yukon	82.21	351	I	Amb	18 37 32.0
FARO	Faro, Yukon	82.21	351	P	P	18 36 58.9 +0.4
BCAR	Beaver Creek A	82.27	355	P	P	18 36 58.6 -0.2
J17K	VBM Dome	82.27	3	P	P	18 36 58.7 0.0
J18K	Innoko River	82.28	2	I	Amb	18 37 11.6
J18K	Innoko River	82.28	2	P	P	18 36 58.7 -0.1
L27K	Bear Creek,	82.28	355	P	P	18 36 59.4 +0.5
TRF	Thorofore Moun	82.30	359	P	P	18 36 58.6 -0.5
MSDI	Maturu Creek	82.30	101	P	P	18 36 58.8 -0.9
J16K	Anvik River	82.32	3	P	P	18 36 58.4 -0.6
C31M	Castle Rocks	82.35	359	P	P	18 36 58.7 -0.6
MAST	Maturu Creek, Y	82.37	351	P	P	18 36 59.4 +0.1
K20K	Telida	82.42	0	P	P	18 36 59.4 -0.2
L26K	Log Cabin Wild	82.42	355	P	P	18 36 59.2 -0.4
ASAJ	Asahikawa	82.43	41	LR	LR	19 19 07.1
DHY	Denali Highway	82.59	357	P	P	18 36 60.0 -0.6
M29M	Somme Creek	82.59	353	P	P	18 37 09.9 +0.3
PAX	Paxson	82.60	356	P	P	18 37 00.8 +0.1
J14K	Nanvaranak Lak	82.68	5	P	P	18 37 01.2 +0.4
TTA	Tatalina	82.83	1	P	P	18 37 02.1 +0.3
BVCY	Bear Creek	82.84	354	P	P	18 37 02.0 +0.2
WAT1	Susitna Watana	82.87	358	P	P	18 37 01.9 0.0
PPLA	Punkypile	82.88	359	P	P	18 37 02.1 0.0
PETK	Petrovlovsk	82.89	27	P	P	18 37 00.9 -1.3
PETK	Petrovlovsk	82.89	27	LR	LR	19 16 39.7
L44A	Lake County Fo	82.96	317	P	P	18 37 02.9 +0.2
M27K	Edge Creek, AK	82.98	355	P	P	18 37 02.8 +0.2
K17K	Iditarod	82.98	2	P	P	18 37 02.4 0.0
M26K	Nabesna, AK	83.02	355	P	P	18 37 02.6 -0.2
WAT6	Susitna Watana	83.09	357	P	P	18 37 03.4 +0.2
HARP	HAARP	83.16	356	P	P	18 37 02.8 -0.6
N32M	Quiet Lake	83.21	350	P	P	18 37 03.9 +0.1
N31M	Braeburn, Yuko	83.23	352	P	P	18 37 03.7 -0.2
K15K	Wolf Creek Mou	83.26	4	P	P	18 37 03.8 -0.2
L20K	Farewell, AK	83.30	0	P	P	18 37 04.5 +0.3
CUT	Chitina	83.34	359	P	P	18 37 04.4 +0.1
K13K	Kusivlak Mount	83.41	5	P	P	18 37 05.0 +0.3
N30M	Aishikik Lake	83.41	352	P	P	18 37 04.9 +0.1
YUK3	Moose Creek	83.44	354	P	P	18 37 05.4 +0.3
M24K	Tolsona, Glenn	83.50	357	P	P	18 37 05.6 +0.4
L18K	Granite Mounta	83.52	2	P	P	18 37 06.1 +0.9
WTLY	Watson Lake, Y	83.53	348	P	P	18 37 06.1 +0.7
L17K	Donlin	83.56	2	P	P	18 37 06.3 +0.9
L19K	White Mountain	83.59	1	P	P	18 37 05.9 +0.2
YUK4	Talbot Arm	83.69	353	P	P	18 37 05.7 -0.7
SKT	Skwentna	83.79	359	P	P	18 37 06.3 -0.4
SCM	Sheep Creek Mo	83.83	357	P	P	18 37 07.4 +0.5
YUK8	Steele Glacier	83.86	353	P	P	18 37 07.5 +0.1
M19K	Big River Lodg	83.88	1	P	P	18 37 07.6 +0.5
L15K	Unqalak Mounta	83.88	4	P	P	18 37 07.3 +0.2

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M23K	Glacier View	83.88	357	P	P	18 37 06.8 -0.4
SML	Sawmill	83.89	358	P	P	18 37 07.2 -0.1
M20K	Styx River	83.90	360	P	P	18 37 07.1 -0.2
N25K	Chitina, Valde	83.92	356	P	P	18 37 07.4 0.0
WHY	Whitehorse	83.92	351	P	P	18 37 07.3 -0.2
L16K	Owhat River	83.94	3	P	P	18 37 07.4 0.0
O30N	Mendenhall	83.97	352	P	P	18 37 07.1 -0.6
M22K	Willow	84.00	358	P	P	18 37 07.3 -0.4
TOAD	Toad River Com	84.04	346	P	P	18 37 08.1 +0.1
YUK6	Outpost Mounta	84.06	353	P	P	18 37 08.2 -0.1
P33M	Teslin, Yukon	84.07	350	P	P	18 37 08.5 +0.3
HYT	Haines Junctio	84.08	352	P	P	18 37 08.2 -0.1
KLU	Klutina	84.10	356	P	P	18 37 08.6 +0.2
PMR	Palmer	84.13	358	P	P	18 37 08.6 +0.3
L14K	Kuka Creek	84.14	5	P	P	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like DNIZ, NAZL, URLA, INCE, PASA, GORD, USAK, ITM, CSS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like ROSI, ROSI, ROSI, BOSI, BOSI, BOSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include stations like AFL, BRMO, BRMO, BRMO, BRMO, FUORN, etc.

STR 10 18:42:09.6:1.3, 4.7°N, 5°12'E, h5km, MLV3.1/7, Error ellipse: s-maj=0.0km s-min=0.0km az=73.2, preliminary
ROM 10 18:42:12.6:0.1, 4.6:842N, 0:001:11:198E:0:003, h12km, ML2.7/72, Error ellipse: s-maj=0.2km s-min=0.1km az=110.0
VIE 10 18:42:12.2:0.1, 4.6:83N, 11:22E, h12km, 1km, mb2.0/18, m13.0/21, Error ellipse: s-maj=0.6km s-min=0.6km az=164.0
ZUR 10 18:42:12.6:46:82N, 11:22E, h7km, 1km, MLh2.9/57, Error ellipse: s-maj=3282.5km s-min=681.7km az=178.0
BGR 10 18:42:13.9:0.3, 4.6:82N, 11:22E, h10km, ML2.9/23, Error ellipse: s-maj=4.1km s-min=2.2km az=0.0
LDG 10 18:42:14.6:0.2, 4.6:74N, 11:38E, h8km, ML2.7/11, Error ellipse: s-maj=3.9km s-min=2.1km az=61.0
BUG 10 18:42:14.3:0.7, 4.6:81N, 11:26E, h11km, 5km, MD3.5/12, ML3.5/12
PRU 10 18:42:15.7, 46:93N, 11:32E, h10km
ISC 10 18:42:12.5:0.8, 4.6:82N, 0:001:11:28E:0:01, h13km, 5km, n178, s1927/288, 16C-SD, Northern Italy

Code Station Name Az Az' Phase ID Time Res
ROSI Roskopf 0.14 41 P Pg 18 42 16.6 +0.4
ROSI Roskopf 0.14 41 P Pg 18 42 19.2 +0.4
ROSI Roskopf 0.14 41 P Pg 18 42 16.6 +0.4
ROSI Roskopf 0.14 41 P Pg 18 42 19.2 +0.4
ROSI Roskopf 0.14 41 P Pg 18 42 19.2 +0.4
ROSI Roskopf 0.14 41 P Pg 18 42 19.2 +0.4

Code Station Name Az Az' Phase ID Time Res
AFL Alpe Faloria 0.69 115 ePg Pn 18 42 26.8 -1.4
AFL BRMO Bormio 0.71 241 Pg Pn 18 42 37.7 -1.2
AFL BRMO Bormio 0.71 241 P Pn 18 42 25.1 -1.2
AFL BRMO Bormio 0.71 241 S Pn 18 42 25.3 -1.0
AFL BRMO Bormio 0.71 241 S Pn 18 42 34.6 -1.0

DAVOX		Sg	Sg	18 42 42.0	-1.5	
DAVOX	Davos/Dischmat	0.96 268	P	Sg	18 42 29.8	-1.2
DAVOX			S	Pg	18 42 41.9	-1.6
VARN	Col Varnada, M	1.01 145	S	Pn	18 42 32.1	-0.3
VARN			P	Sn	18 42 46.4	-0.1
VARN	comp=E,790µm,0.3s		AML	AML		
VARN	comp=N,690µm,1.3s		AML	AML		
VARN	comp=E,790µm,0.3s		AML	AML		
VARN	comp=N,694µm,1.3s		AML	AML		
VARN	comp=E,789µm,0.3s		AML	AML		
VARN	comp=E,790µm,0.3s		AML	AML		
VARN	comp=N,629µm,0.1s		AML	AML		
VARN	comp=N,615µm,0.1s		AML	AML		
CGRP	Cima Grappa	1.01 159	P	Pb	18 42 32.0	+0.1
CGRP	Cima Grappa	1.01 159	S	Pb	18 42 32.0	+0.1
CGRP			S	Sn	18 42 46.6	-0.1
CGRP			AML	AML		
CGRP	comp=E,544µm,1.2s		AML	AML		
CGRP	comp=N,576µm,1.0s		AML	AML		
CGRP	comp=E,508µm,0.6s		AML	AML		
CGRP	comp=N,587µm,1.0s		AML	AML		
CGRP	comp=E,486µm,0.4s		AML	AML		
CGRP	comp=N,395µm,0.2s		AML	AML		
CGRP	comp=N,403µm,0.3s		AML	AML		
CGRP	comp=N,495µm,0.4s		AML	AML		
VARA	Varagna	1.03 195	P	Pb	18 42 32.5	+0.3
VARA			S	Sb	18 42 46.1	+0.3
VARA			AML	AML		
VARA	comp=E,1580µm,0.4s		AML	AML		
VARA	comp=N,2535µm,1.4s		AML	AML		
VARA	comp=N,1540µm,0.4s		AML	AML		
VARA	comp=E,2620µm,1.4s		AML	AML		
VARA	comp=N,2225µm,0.1s		AML	AML		
VARA	comp=E,2314µm,0.1s		AML	AML		
VARA	comp=E,1241µm,0.3s		AML	AML		
VARA			AML	AML		
DAVA	Damuels	1.06 297	ePg	Pg	18 42 32.3	-0.7
DAVA			Sg	Sg	18 42 46.2	-0.6
DAVA			AML	AML		
DAVA	comp=N,1261µm,0.3s		AML	AML		
DAVA	comp=N,4.1nm,0.2s,SNR=32		AML	AML		
DAVA			AML	AML		
DAVA	comp=N,18nm,0.3s		AML	AML		
DAVA			AML	AML		
DAVA	comp=E,222µm,0.3s		AML	AML		
DAVA	comp=N,1160µm,0.9s		AML	AML		
DAVA	comp=E,1335µm,0.3s		AML	AML		
DAVA	comp=N,1336µm,0.3s		AML	AML		
DAVA	comp=N,1102µm,0.2s		AML	AML		
CAE	Caneva	1.15 135	P	Pn	18 42 35.0	+0.7
MBAL	Monte Baldo	1.16 195	P	Pn	18 42 34.6	+0.1
MBAL			AML	AML		
MBAL	comp=E,1555µm,0.9s		AML	AML		
MBAL	comp=N,2195µm,0.9s		AML	AML		
MBAL	comp=E,2335µm,0.3s		AML	AML		
MBAL	comp=N,1895µm,0.1s		AML	AML		
MBAL	comp=E,2215µm,0.1s		AML	AML		
MBAL	comp=N,1509µm,0.1s		AML	AML		
MBAL	comp=N,2109µm,0.1s		AML	AML		
MBAL	comp=N,1894µm,0.1s		AML	AML		
POLC	Polcenigo	1.16 133	P	Pn	18 42 35.4	+0.9
UBR	Ueberuhr	1.17 318	Pg	Pn	18 42 35.5	+0.9
UBR	Ueberuhr	1.17 318	ePg	Pn	18 42 35.6	+0.9
UBR			eSg	Pn	18 42 51.5	+1.0
BALD	Monte Baldo	1.18 196	P	Sb	18 42 35.4	+0.4
BALD			Sn	Sb	18 42 51.1	+0.9
MARN	Marana (Italy)	1.19 182	P	Pn	18 42 35.1	+0.3
MARN			S	Sb	18 42 50.6	+0.5
TREG	Tregnago	1.30 184	P	Pn	18 42 37.5	+0.7
TREG			S	Sb	18 42 55.0	+1.4
PLONS	Plons/SG	1.32 281	ePg	Pn	18 42 38.9	+1.7
ZONE	Zone	1.33 218	P	Pn	18 42 36.8	0.0
ZONE			Sg	Sg	18 42 53.3	-2.0
ZONE			AML	AML		
ZONE	comp=E,245µm,0.2s		AML	AML		
ZONE	comp=N,321µm,0.2s		AML	AML		
ZONE	comp=N,171µm,0.7s		AML	AML		
ZONE	comp=E,245µm,0.2s		AML	AML		
ZONE	comp=N,127µm,0.8s		AML	AML		
ZONE	comp=N,321µm,0.2s		AML	AML		
FUR	Furstenfeldbru	1.34 0	ePg	Pb	18 42 39.5	+1.9
FUR			eSg	Sn	18 42 57.7	+2.9
TUE	Stuetta	1.37 256	P	Pn	18 42 37.5	-0.1
TUE	Stuetta	1.37 256	P	Pn	18 42 37.5	-0.1
TUE			Sg	Sb	18 42 55.3	-1.5
ZOVE	Zovencedo	1.38 174	P	Pb	18 42 38.7	+0.7
SGT05	Eggersriet	1.39 297	Pg	Pb	18 42 39.4	+1.0
A107C	Memmingen - Ei	1.40 329	Pg	Pb	18 42 39.7	+0.3
A107C			Sg	Pb	18 42 58.4	+2.2
KBA	Koelnbreinsper	1.44 79	ePg	Pb	18 42 40.1	+0.8
KBA			eSg	Sn	18 42 59.6	+2.3
KBA			AML	AML		
KBA	comp=N,8.4nm,0.1s		AML	AML		
KBA	Koelnbreinsper	1.44 79	ePg	Pb	18 42 40.2	+1.0
KBA			eSg	Sn	18 42 59.4	+2.0
MDI	Monti di Nese	1.51 227	S	Sn	18 42 59.5	+0.7
MDI			AML	AML		
MDI	comp=N,153µm,1.0s		AML	AML		
MDI	comp=N,145µm,0.5s		AML	AML		
MDI	comp=N,176µm,0.2s		AML	AML		
MDI	comp=N,132µm,0.4s		AML	AML		
MDI	comp=N,277µm,1.0s		AML	AML		
MDI	comp=N,152µm,0.2s		AML	AML		
A103D	Ravensburg, Wa	1.53 310	Pg	Pg	18 42 42.3	+0.5
A103D			Sg	Sg	18 42 42.7	+1.0
MYKA	Terra Mystica	1.64 96	ePg	Pg	18 42 43.8	-0.1
MYKA			eSg	Pg	18 43 07.6	+2.4
ROBS	Robic	1.65 110	i Ph	Pg	18 42 44.1	+0.1
ROBS			eSg	Pn	18 43 07.9	+2.5
A104C	Biberach, Ahle	1.71 321	Pn	Pn	18 42 39.7	-2.3
A104C			Sg	Sb	18 43 05.9	+0.8
WILA	Wila	1.72 291	ePg	Pb	18 42 45.7	+0.1
WILA			eSg	Sg	18 43 08.5	+0.6

A108A	Ulm, Ringingen	1.81 328	Ph	Pb	18 42 45.3	-0.2
A108A			Sg	Sb	18 43 08.8	+0.6
ZUR	Degenried	1.92 288	Ph	Pb	18 42 47.8	+0.4
GUT	Gutenstein	1.93 311	Ph	Pb	18 42 47.2	-0.3
GUT	Gutenstein	1.93 311	Sn	Sg	18 43 12.9	-1.5
A102A	Sigmaringen, J	1.93 314	Sn	Sn	18 43 14.0	0.0
NORI	Noerdlinger Ri	1.95 347	ePg	Pn	18 42 46.2	+0.8
NORI			ePg	Pn	18 42 49.2	-0.6
NORI			eSg	Pn	18 43 14.9	-0.2
A109A	Bad Urach, See	2.04 324	Pg	Pg	18 42 50.7	-0.8
SLE	Schleiheim	2.12 297	Ph	Pb	18 42 50.1	-0.6
SLE	Schleiheim	2.12 297	Sn	Pb	18 42 52.1	-1.0
SLE	Schleiheim	2.12 297	ePh	Pb	18 42 49.8	-0.9
SLE			eSg	Pb	18 43 19.3	-1.2
JAVS	Javornik	2.14 115	ePh	Pb	18 42 50.8	-0.4
M03S	Mozjanca	2.25 102	ePh	Pn	18 42 53.7	-1.8
A101B	Rottwiel, Deis	2.26 306	Ph	Pn	18 42 52.1	-1.0
A101B			Sn	Sn	18 43 18.8	+1.5
SULZ	Cheisacher	2.27 289	Ph	Pb	18 42 52.3	-1.1
SULZ	Cheisacher	2.27 289	Sn	Sb	18 43 23.3	+1.9
SULZ	Cheisacher	2.27 289	ePg	Pg	18 42 56.3	+0.4
SULZ			eSg	Sg	18 43 24.8	-0.7
OBKA	Obkir	2.28 97	ePg	Pg	18 42 55.6	-0.5
OBKA	comp=E,1.6nm,0.1s		Sg	Sg	18 43 27.9	+2.3
OBKA	comp=E,1.4nm,0.4s		Sg	Sg	18 42 55.6	-0.5
OBKA			eSg	Pn	18 43 27.4	+1.8
A100A	Rottenburg, We	2.28 317	Ph	Pn	18 42 51.0	+1.2
MOA	Mollin	2.28 62	ePh	Pn	18 42 51.3	-2.2
MOA	comp=E,5.6nm,0.3s		eSg	Sg	18 43 26.8	+1.1
MOA	Mollin	2.28 62	ePh	Pb	18 42 51.3	-2.2
MOA			ePg	Pg	18 42 55.7	-0.4
MOA			eSg	Pb	18 43 24.9	-0.8
EMBD	Embd, Matterta	2.45 257	Ph	Pb	18 42 55.8	-0.7
FELD	Feldberg im Sc	2.45 297	Ph	Pn	18 43 31.9	+1.9
BALST	Balsthal	2.50 283	Sn	Sb	18 43 28.9	+1.0
BALST	Balsthal	2.50 283	Ph	Pb	18 42 55.8	-1.5
BALST	Balsthal	2.50 283	ePg	Pb	18 42 55.7	-1.5
BALST	Balsthal	2.50 283	ePg	Pg	18 43 00.9	+0.6
BALST			eSg	Pn	18 43 31.1	+1.2
BFO	Black Forest	2.50 308	ePg	Sg	18 43 34.9	+2.0
BFO			Sg	Sg	18 43 31.7	-1.1
SATI	Passo del Sala	2.54 249	Ph	Pn	18 42 56.9	-1.2
KIZ	Kirchzarten	2.55 298	Ph	Pb	18 42 55.5	+1.9
KIZ	Kirchzarten	2.55 298	Sn	Sb	18 43 28.8	-0.5
WET	Wetzell	2.56 24	ePh	Pn	18 43 34.9	+0.2
WET			eSg	Pb	18 42 56.6	-2.1
SOKA	Soboth	2.59 92	Ph	Pb	18 42 56.6	-2.1
GECC	GERRES Array S	2.60 38	ePh	Pb	18 42 56.3	-2.8
GECC			eSg	Pn	18 43 35.3	0.8
GORR	Goeretto	2.61 213	Ph	Pn	18 42 56.8	+2.3
GORR	Goeretto	2.61 213	Sn	Sb	18 43 31.7	+0.5
OPP	Oppenu	2.68 310	Sn	Pb	18 43 29.6	+2.0
OPP	Oppenu	2.68 310	Ph	Pn	18 42 57.2	+1.9
KHC	Kasperske Hory	2.78 33	ePh	Pn	18 42 58.8	+2.0
KHC			eSg	Pg	18 43 34.9	+1.4
KHC			eSg	Pg	18 43 39.1	-2.7
KHC	comp=E,22nm,0.3s		AML	AML		
BABA	Baden-Baden-Ne	2.81 314	Ph	Pn	18 42 58.7	+1.6
BABA	Baden-Baden-Ne	2.81 314	Sn	Pn	18 43 32.3	+1.3
CKRC	Cesky Krumlov	2.85 45	ePg	Pb	18 43 31.9	+1.5
GRF	Grafenberg Arr	2.87 359	ePh	Pn	18 42 58.2	+0.2
GRF			eSg	Pg	18 43 44.4	-0.3
ARSA	Arzberg	2.94 80	Pg	Pg	18 43 08.2	-0.6
ARSA	comp=E,2.4nm,0.3s		Pg	Pg	18 43 08.1	-0.6
ROTZ	Rotzenmuhle	3.01 12	ePh	Pn	18 43 00.1	+0.2
ROTZ			ePg	Pg	18 43 10.5	+0.4
ROTZ			eSg	Pn	18 43 36.2	+0.3
ROTZ			Sg	Sg	18 43 47.9	-1.3
ROTZ			Pn	Pn	18 43 03.7	+2.0
CHDF	Champ du Feu	3.14 302	ePh	Pn	18 43 02.7	+0.6
HINR	Hinteralfeld	3.17 290	ePh	Pn	18 43 02.7	+0.6
HINR	SNR=1.0		Pg	Pg	18 43 15.7	+2.6
HINR	Hinteralfeld	3.17 290	ePg	Pg	18 43 15.7	+2.6
HINR	SNR=1.0		eSg	Sn	18 43 41.3	+1.5
HINR	comp=E,1.1nm,0.4s,SNR=1.0		eSg	Sn	18 43 41.3	+1.5
MANZ	Manzenberg	3.21 10	ePh	Pn	18 43 02.7	0.0
MANZ			Ph	Pn	18 43 31.3	+0.4
MANZ			eSg	Pn	18 43 44.3	+0.9
LEMB	Lembach	3.24 314	Ph	Pn	18 43 04.8	+1.8
LEMB			Sn	Sn	18 43 42.6	+1.2
ZVC	Zvikov	3.27 36	ePh	Pn	18 43 06.1	+2.7
ZVC			ePg	Pg	18 43 13.6	-1.4
CONA	Conrad Observa	3.31 69	ePh	Pn	18 43 05.0	+1.0
CONA	comp=E,0.5nm,0.1s		Ph	Pn	18 43 06.2	+0.6
LPG	La Plagne	3.41 249	ePh	Pn	18 43 09.6	+4.0
LPG	SNR=1.0		eSg	Pn	18 43 47.4	+1.3
LPL	La Plagne	3.42 249	ePh	Pn	18 43 10.6	-2.4
LPL	comp=E,2.5nm,0.4s		eSg	Sn	18 43 47.2	+1.1
NKC	Novy Kostel	3.50 12	eSg	Sg	18 44 03.3	-1.6
NKC	comp=E,1.9nm,0.4s		eSg	Sg	18 44 03.3	-1.6
VOEL</						

IDC 10 19:26:26.0,6,30,20S,177.86W,h0km,mb4.6/10, mbmp4.6/11,ML4.3/1,MS3.8/10, Error ellipse: s-maj=23.3km s-min=21.5km az=93.0 NEIC 10 19:26:31.3,2.1,30,40S,177.87W,0.2,h35km,1km, mb4.9/20, Error ellipse: s-maj=27.1km s-min=9.0km az=64.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like Green Lake, Raoul Island, Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Vanda, Kununurra, Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Happy Valley, Franklin Bluff, Christian River, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like COLA, G31M, G31M, G31M, G31M, IL31, ILAR, ILAR, ILAR, ILAR, J25K, EGAK, EGAK, EGAK, A21K, F20K, F20K, J26L, J26L, CCB, H21K, H21K, H21K, HDA, HDA, WRH, WRH, NEA2, E19K, E19K, I30M, I30M, I30M, H31M, H31M, SCRK, SCRK, K24K, K24K, RIDG, RIDG, F19K, F19K, DAWY, G19K, J30M, J30M, MCK, MCK, A19K, A19K, H19K, H19K, C18K, C18K, RND, K29M, K29M, B18K, B18K, CHUM, CHUM, TRF, E18K, E18K, L26K, L26K, DHY, DHY, PAX, PAX, F18K, F18K, L27K, L27K, MENT, MENT, J20K, J20K, G18K, G18K, CAST, WAT1, WAT1, L29M, L29M, H18K, WAT6, WAT6, RDG, RDG, J19K, J19K, HARP, HARP, M26K, M26K, M27K, M27K.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PPLA, A36M, M29M, WACK, C36M, H17K, I18K, SML, C16K, G10K, KLU, SKT, TT A, G16K, KNK, VRDI, M31M, J17K, YUKA, STLK, H16K, I17K, KIAG, FARO, KI7K, YUK6, YUK6, J16K, BEHG, YERG, O30N, O29M, KDAD, DLBC, DLBC, YKA, YKA, RES, RES, PDAR, NVAR, SCHO, FINES, HFS, ZALV, SONM, EKA, BVAR, KURBB, HHC, HHC, MKAR, ESDD, PZH, PZH, CMAR, CMAR.

NEIC 10 19:50:45.1±2.0, 26.79S; 0:09.175.8W; 0.2, h10km, 1km, mb4.7/7, Error ellipse: s-maj=25.3km s-min=12.1km

ISC 10 19:50:46.4±0.8, 26.96S; 176.25W, h0km, mb4.3/6, mbmp4.2/6, MS3.8/3, Error ellipse: s-maj=33.0km s-min=28.2km

ISC 10 19:50:46.1±0.7, 26.38S; 0:11.175.8W; 0.2, h10km, n31, s171/26, mb4.5/10, South of Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAOU, NIUE, NIUE, AFJ, DZM, PPT, CTAO, CTAO, COEN, COEN, AS31, ASAR, WB2, WB2, WRA, WRA, WB0, WB0, KNRA, FITZ, QSPA, QSPA, MJAR, H03S2, H03S1, H03S3, H03S3, ILAR, ILAR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR, MKAR, KURBB, BVAR, NOA, HFS, AKASA, BRTR, BRTR, TORD, TORD.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJA, CNJI, CNJI, SKJI, LEM, CMJI, KPJI, CGJI, UGJI, WAG, PWJI, PWJI.

IDC 10 20:02:03.8±0.6, 8.3°S; 107E; h27km, 6km, M3.9/12, mb5.0/1, mb4.5/1, MLV3.6/12, Mw(mB)4.3/1, Jawa

DJA 10 20:03:50.5±0.3, 2°N; 3.2°E; h10km, M4.0/12, mb4.7/1, mb4.2/3, MLV3.9/12, Mw(mB)3.9/1

NEIC 10 20:03:31.5±1.0, 1.81N; 0:05.126.53E; 0.0/9, h35km, 2km, mb4.3/10, Error ellipse: s-maj=15.4km s-min=7.7km

ISC 10 20:09:32.6±0.7, 1.76N; 0:07.126.49E; 0.0/9, h47km, n29, s131/31, mb4.2/15, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TMTI, SGGI, KMSI, SANI, LUWI, LUWI, NLANI, TOLJ, MYLDM, FITZ, WARR, WARR, WRA, WRA, WB2, WB2, ASAR, ASAR, FORT, BBOO, SONM, MK31, MK31, MKAR, MAKZ, MAKZ, ZALV, ZALV, KURBB, KURBB, KURK, KURK, NRIK, NRIK, ABKAR, ARTI, Vnda, Vnda.

SOME 10 20:20:44.3, 41.53N; 83.67E, h10km IDC 10 20:20:46.2±0.8, 42.06N; 83.94E, h0km, mb3.8/11, mbmp3.7/18, ML3.3/7, MS3.5/2, Error ellipse: s-maj=17.9km s-min=11.0km az=60.0

NINC 10 20:20:47.8±1.9, 4.97N; 83.84E, h0km, mb4.3, mpv4.1, Error ellipse: s-maj=16.5km s-min=10.5km az=165.0

ISC 10 20:47:5.0±0.6, 41.98N; 0:05.837E; 0.0/4, h10km, n54, s241/71, mb3.8/12, 2C-5D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHLS, PDGK, PDGK, PDGK, UZB, UZB, UZB, DJR, DJR, DJR, DJR, KPKS, KPKS, KPKS.

10d 20h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Polarization, Position, and other technical details for various stations like KPKS, SATY, KNOS, ZHN, etc.

2019 JAN

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Polarization, Position, and other technical details for stations like XLT, CMAR, BRTR, MMAI, FINES, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Polarization, Position, and other technical details for stations like ASAJ, TROLL, SNA, SNA, SNA, etc.

Technical notes and data for the 2019 JAN section, including station identifiers and parameters like IDC 10 20:26:11.3, 0.5, 26.94S, 176.17W, hOkm, mb4.5/16, etc.

Summary information for the 610 section, including station identifiers and parameters like NNC 10 20:26:20.2, 2.2, 38.42N, 176.84E, hOkm, mb3.8, mvp3.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Pn, Time, Res, ISC. Includes stations like MDOK Medeo, MDOK 1.2nm,0.1s, MDOK 6.2nm,0.6s, etc.

IDC 10 20:35:24.8:2.5, 43.15N:105.11W, h0km, mb2.4/1, mbtmp2.9/3, ML2.0/1, MS3.1/4, Error ellipse: s-maj=44.1km s-min=11.0km az=154.0

NEIC 10 20:35:25.5:2.7, 43.65N:0.08:105.2W:0.1, h0km,1km, ML3.2/56, Error ellipse: s-maj=19.8km s-min=3.2km az=45.0

ISC 10 20:35:27.3:1.1, 43.63N:0.06:105.14W:0.06, h0km, n36, c157/31, Wyoming

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, Pn, Time, Res, ISC. Includes stations like RSSD Black Hills, K22A Casper, N23A Red Feather La, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Pn, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, SONM Songoing Array, MKAR Makanchi Array, etc.

NEIC 10 20:41:00.9:1.5, 44.91N:0.09:151.8E:0.2, h10km,2km, mb4.7/9, Error ellipse: s-maj=23.1km s-min=6.5km az=127.0

SKHL 10 20:41:06.9:0.5, 45.10N:151.30E, h52km,3km, mb5.2/3 JMA 10 20:41:06.0:1.3, 45.1N:6.15E, h30km, MV4.7/14, KURILE ISLANDS REGION

MOS 10 20:41:08.2:1.1, 45.23N:151.11E, h50km, mb4.9/11, Error ellipse: s-maj=8.8km s-min=7.2km az=97.4

IDC 10 20:41:11.3:2.7, 45.39N:151.01E, h59km,22km, mb3.6/20, mbtmp3.9/26, ML3.4/6, MS3.3/10, Error ellipse: s-maj=20.3km s-min=15.1km az=126.0

ISC 10 20:41:07.6:0.6, 45.14N:0.07:151.22E:0.06, h35km, n115, c1546/126, mb4.3/34, MS3.5/5, 3C-6D, Kuril Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, Pn, Time, Res, ISC. Includes stations like KUR Kuril'sk, KUR comp=Z,494nm,0.3s, KUR comp=N,192nm,0.2s, etc.

Table with columns: USRK, Station Name, Time, Res, P, Pn. Includes stations like USRK Ussuriysk Ar, USRK comp=Z,0.3nm,0.3s, baz=85, slow=16, SNR=4.5, etc.

Table with columns: LZH, Station Name, Time, Res, P, Pn. Includes stations like LZH Lanzhou, LZH comp=Z,23nm,1.2s, etc.

Table with columns: ILAR, Station Name, Time, Res, P, Pn. Includes stations like ILAR Eielson Array, ILAR comp=Z,0.7nm,1.1s, baz=263, slow=7.3, SNR=2.5, etc.

Table with columns: MK31, Station Name, Time, Res, P, Pn. Includes stations like MK31 Makanchi Array, MKAR comp=Z,1.1nm,0.7s, baz=73, slow=8.3, SNR=11, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,0.4nm,0.5s, baz=62, slow=4.7, SNR=2.7, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,0.5nm,0.5s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: MKAR, Station Name, Time, Res, P, Pn. Includes stations like MKAR comp=Z,1.0nm,0.7s, baz=62, slow=3.8, SNR=4.0, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like E19K Redstone River, J25K Salcha River, EGAK Eagle, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LTHK Lithakia, KYPYS Kipseli, KYPS Orthionies,Zaky, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KMNRR Bezmyannyi-We, BZWR Kirishev, KIRR Kopyto, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, GSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arr, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMA 10 22:41:26.0, MOS 10 22:41:26.0, NIED 10 22:41:26.0, etc.

10d 23h

Table with columns for station name, frequency, power, and other technical details. Includes stations like JTNK, JKN2, JIE, etc.

2019 JAN

Table with columns for station name, frequency, power, and other technical details. Includes stations like PHTK, CHTO, CMAR, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like FINES, KBO, HFS, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Mt Berech, Eilat, VRAC, GERES, FINES, HFS, EKA, TORD, ARCES, MKAR.

GCMT 10 23:10:03.0-0.4, 39.68S; 0.06:15.71W; 0.06, h18km, 1km, MW4.8/74, Moment Tensor Solution. s14,c14; s74,c90; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr=2.22±.19, Mtt=0.97±.15, Mss=1.25±.13; Mtr=0.80±.50; Mtr=0.40±.07; Mtr=1.23±.37; Best double couple: M=2.38100x10^16 NPT=145.00000, 826.00000, 7.91.00000, NP2=326.00000, 864.00000, 4.89.00000; Principal axes: T 2.0350, P1g19.0000, Azm56.0000; N 0.6900, P1g1.0000, Azm146.0000; P -2.7280, P1g71.0000, Azm237.0000; nstai refers to body waves, cutoff=40s. nstaf refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function Tristan da Cunha region

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like San Francisqui, Santa Rosalia, Bahia Kino, Guaymas, Baha de los.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Isla de Provid, Isla e San And, Banco Serrana, Las Esperanzas, Acopyapa, Isla Barro Col, Las Juntas de, Azuero, Tegucigalpa, San Jacinto, Zaragoza, Cauc, Uribia, Colomb.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like San Francisqui, Santa Rosalia, Bahia Kino, Guaymas, Baha de los, Bahia, HSIG, La Primavera, Guadaloupe-3, Salisbury, Morne-Daniel, Ilet Lapin Mar.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Guadaloupe-3, Salisbury, Morne-Daniel, Ilet Lapin Mar.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Bethesda, MBWH, Flemmings, Bigot, Willy Bob, Saint Lucia, Petit Monier, Saint Lucia, St. Kitts, UWI, Saint Kitts, Belford, Calfred Summit, Soufriere Voic, Belmont, Saint Vincent, Richmond Hill, Gun Hill, Grenada, Carri, Grenville, Speyside, Arcobio Observ.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like San Francisqui, Bahia Kino, Guaymas, Baha de los.

10 23:45:16.4±2.5, 9.54S; 120.61E, h0km, mb3.7/2, mbtmp3.5/4, ML3.5/1, MS3.9/2, Error ellipse: s-maj=219.8km s-min=28.0km az=52.0 DJA 10 23:45:28.9±0.5, 10.5±.8, 12.1E, h42km, 31km, M3.7/7, MLV3.7/7

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Baing, Sumba, Waikabubak, Maumere, Baumata, Plampang, Bau Bau, Buton, Taliwang, Warramunga Arr, Batiadhala, Matsushiro Arr, Makanchi Array, Zalevoso Beam.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Urewera, Mont Dzumac, Charters Tower, Alice Springs, Warramunga Arr, South Pole Qui, Eielson Array, Torodi Ar. Bea.

JMA 11 00:39:26.4±0.3, 24.1N; 122.5E; 0.6, h19km, 4km, MV2.6/12, NW OFF ISHIGAKIIMA IS TAP 11 00:39:26.1, 23.97N; 122.54E, h24km, ML3.2 C ISC 11 00:39:25.7±1.0, 23.98N; 122.53E; 0.02, h29km, 9km, n59, c069/88, 2D, Taiwan region

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like EIOS4, EIOS3, EIOS2, EIOS1, Yonagunijimaku, Yonaguni jima, Yonaguni jima, EWUT, ENA, TWD, TWC, SHUL, ETM.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Xiuilin Townshi, Shilin, Xiuilin Townshi, Datong, Neicheng, Fenglin Townsh, Nioudou, Ruisui, Santiao Chiao, Datong, Irifome-Funau, Fushanzhiyuyua, Fuhuan Shan, Shuangxi, Changbin, Hungye, Fushou, Wulai, Renai, Kuro-shima, Wufeng Townshi, Taichung City, Zuzhuzhu, Sun Moon Lake, Ishigaki jima, Emei, Yuchr, Nanjuang, Lidau, Ludao, Alishan, Pengchayai, Ishigakijimahi, STYAO, Fanlu.

11 00:43:39.4±2.1, 26.83S; 176.35W, h0km, mb3.9/3, mbtmp3.9/3, Error ellipse: s-maj=63.0km s-min=41.7km az=41.0, South of Fiji Islands

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Alice Springs, Warramunga Arr, South Pole Qui, Juan Fernandez, Warramunga Arr, Juan Fernandez, Juan Fernandez, Juan Fernandez, Juan Fernandez, Main Array Be.

NEIC 11 00:50:20.9±1.4, 61.52N; 0.03:149.98W; 0.06, h44km, 6km, Error ellipse: s-maj=4.6km s-min=4.0km az=224.0 AEIC 11 00:50:21.1±1.4, 61.48N; 0.02:149.95W; 0.06, h46km, 5km, ML2.4, ML2.6/80(NEIC), Error ellipse: s-maj=4.4km s-min=0.8km az=117.0, Southern Alaska

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Willow, Fire Island, Susitna One, Susitna One, Rabbitt Creek A, Palmer, Palmer, Glory Hole Cre, Skwentna, Skwentna, Captain Cook N, Chulitna, Chulitna, Skwentna, Skwentna, Port Wells, Cooper Landing.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPCG Spurr Capps G, SPU Mount Spurr, SCM Sheep Creek Mo, SEW Seward, WATY Susitna Watana, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PEL Peldehue, ZON Zonda, AGUA GUANDACOL, RENCA Renca, UNIVERSIDAD Ad, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, TBI Tubuai, PPT2 Papeete, EIDS Eidsvoll, STKA Stephens Creek, COEN Coen, BBOO Buckleboe, ASAR Alice Springs, WBR Warramunga Arr, WRA Warramunga Arr, WBO Warramunga Arr, FORT Kununurra, FITZ Fitzroy Cross, OSPA South Pole Qui, MJAR Matsushiro Arr, TROLL Troll, Antarti, SNA A Sanae, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, KRSR Korea Array, PETK Petropavlovsk, PLCA Paso Flores, NVAR Mina Array Bea, Y14A Wickenburg, TUC Tucson, X16A Lo Mia Camp, U15A North Rim, G08A Pilot Rock, TXAR Lajitas Array, E09A Wood Farm, STA, PLID Pearl Lake, PDAR Pinedale Array, BOZ Bozeman (W), CMAR Chiang Mai Arr, ILAR Eielson Array, ZALV Zalesovo Beam, MKR1 Makanchi Array, MKR3 Makanchi Array, KURBB Kurchatov Arr, SCHO Schererville, BVAR Schoeffery Array, KBZ Khabaz, NOA NORSTAR Array, HFS Hagfors, AKASE Eskal Array, EKA Eskdalemuir Arr, MMAI Mount Meron Arr, BRTR Keskin Array, TORD Torodi Arr, TORD Torodi Arr, NEIC NEIC 11, RSPR RSPR 11, OSPL OSPL 11, Code Station Name, Az, Phase ID, Time, Res.

Table with columns: PRSN, LSP, CRPR, AOPR, etc. and rows for Puerto Rico Se, Las Mesas, Cabo Rojo, PR, etc.

Table with columns: FORT, KNR, KNR, etc. and rows for Forest, Kununurra, Chichijima, etc.

IDC 11 01:53:11.8±0.5, 26°90S×176°16'W, h0km, mb4.5/16, mbmp4.5/17, ML5.0/1, MS4.0/4, Error ellipse: s-maj=19.9km s-min=15.6km az=119.0

NEIC 11 01:53:14.7±1.8, 27°03S, 08°176'W, h10km, 1km, mb4.8/33, Error ellipse: s-maj=14.9km s-min=12.1km az=27.0

ISC 11 01:53:16.9±0.4, 27°08S, 06°176'W, h0km, n80, c125/74, mb4.7/31, 4D, Kermadec Islands region

Table with columns: Code, Station Name, A° Z', Phase ID, Time Res, etc. and rows for Raoul Island, Raoul Island, Raoul Island, etc.

IDC 11 02:03:57.9±0.5, 26°92S×176°22'W, h0km, mb4.4/16, mbmp4.4/19, ML4.2/3, MS4.3/3, Error ellipse: s-maj=20.2km s-min=16.0km az=115.0

NEIC 11 02:04:00.1±1.8, 27°07S, 08°176'W, h10km, 1km, mb4.9/20, Error ellipse: s-maj=21.3km s-min=6.3km az=124.0

GCMT 11 02:04:02.1±0.3, 26°84S, 0°173.63W, h21km, MW5.0/95, Moment Tensor Solution, s36,c42, s95,c129; Duration: 0 Moment tensor: Scale 10^18Nm; Mr3.89±.22; Mw-0.71±.13; Mw-3.17±.14; Mw0.49±.29; Mw0-0.01±.08; Mw1.20±.21; Best double couple: Mo3.75400±.1016; NP1:±176.0000°, ±836.0000°, ±81.0000°; NP2: ±67.0000°, ±855.0000°, ±96.0000°; Principal axes: T 4.1370, P1g79.0000°, Azm302.0000°; N -0.7600, P1g5.0000°, Azm183.0000°; P -3.3720, N1g10.0000°, Azm92.0000°; nst1a refers to body waves, cutoff=40s. nst1a2 refers to surface waves, cutoff=50s. Triangular

ISC 11 02:04:02.3±0.4, 27°09S, 06°176'06W, 0°07, h31km, n118, r185, mb4.8/35, MS4.3/34, 4C-3D, Kermadec Islands region

Table with columns: Code, Station Name, A° Z', Phase ID, Time Res, etc. and rows for Raoul Island, Raoul Island, Raoul Island, etc.

Table with columns: PDAR, BOZ, BOZ, CMAR, ILAR, ZALV, MKAR, KURBA, BVAR, FINES, KBZ, NO2, HFS, AKASO, AKAB, AKOB, AK22, EKA, MMAI, BRTR, KOLS, KOLS, ESDC, TORD, etc. and rows for Pinedale Array, Bozeman (W), Chiang Mai Arr, Elision Array, Zalesovo Beam, Makanchi Array, Kurchatov Array, Borovoye Array, FINESS Array, Khabaz, NORSAR Subarray, NORSAR Array, Hagfors, Malin Array B, Malin Array Si, Malin Array Si, Eskdalemuir Ar, NORSAR Array, Mount Meron Ar, Keskin Array B, KOLONIC sedl, Sonseca Array, Torod Ar, etc.

IDC 11 02:03:57.9±0.5, 26°92S×176°22'W, h0km, mb4.4/16, mbmp4.4/19, ML4.2/3, MS4.3/3, Error ellipse: s-maj=20.2km s-min=16.0km az=115.0

NEIC 11 02:04:00.1±1.8, 27°07S, 08°176'W, h10km, 1km, mb4.9/20, Error ellipse: s-maj=21.3km s-min=6.3km az=124.0

GCMT 11 02:04:02.1±0.3, 26°84S, 0°173.63W, h21km, MW5.0/95, Moment Tensor Solution, s36,c42, s95,c129; Duration: 0 Moment tensor: Scale 10^18Nm; Mr3.89±.22; Mw-0.71±.13; Mw-3.17±.14; Mw0.49±.29; Mw0-0.01±.08; Mw1.20±.21; Best double couple: Mo3.75400±.1016; NP1:±176.0000°, ±836.0000°, ±81.0000°; NP2: ±67.0000°, ±855.0000°, ±96.0000°; Principal axes: T 4.1370, P1g79.0000°, Azm302.0000°; N -0.7600, P1g5.0000°, Azm183.0000°; P -3.3720, N1g10.0000°, Azm92.0000°; nst1a refers to body waves, cutoff=40s. nst1a2 refers to surface waves, cutoff=50s. Triangular

ISC 11 02:04:02.3±0.4, 27°09S, 06°176'06W, 0°07, h31km, n118, r185, mb4.8/35, MS4.3/34, 4C-3D, Kermadec Islands region

Table with columns: Code, Station Name, A° Z', Phase ID, Time Res, etc. and rows for Raoul Island, Raoul Island, Raoul Island, etc.

IDC 11 02:03:57.9±0.5, 26°92S×176°22'W, h0km, mb4.4/16, mbmp4.4/19, ML4.2/3, MS4.3/3, Error ellipse: s-maj=20.2km s-min=16.0km az=115.0

NEIC 11 02:04:00.1±1.8, 27°07S, 08°176'W, h10km, 1km, mb4.9/20, Error ellipse: s-maj=21.3km s-min=6.3km az=124.0

GCMT 11 02:04:02.1±0.3, 26°84S, 0°173.63W, h21km, MW5.0/95, Moment Tensor Solution, s36,c42, s95,c129; Duration: 0 Moment tensor: Scale 10^18Nm; Mr3.89±.22; Mw-0.71±.13; Mw-3.17±.14; Mw0.49±.29; Mw0-0.01±.08; Mw1.20±.21; Best double couple: Mo3.75400±.1016; NP1:±176.0000°, ±836.0000°, ±81.0000°; NP2: ±67.0000°, ±855.0000°, ±96.0000°; Principal axes: T 4.1370, P1g79.0000°, Azm302.0000°; N -0.7600, P1g5.0000°, Azm183.0000°; P -3.3720, N1g10.0000°, Azm92.0000°; nst1a refers to body waves, cutoff=40s. nst1a2 refers to surface waves, cutoff=50s. Triangular

ISC 11 02:04:02.3±0.4, 27°09S, 06°176'06W, 0°07, h31km, n118, r185, mb4.8/35, MS4.3/34, 4C-3D, Kermadec Islands region

Table with columns: Code, Station Name, A° Z', Phase ID, Time Res, etc. and rows for Raoul Island, Raoul Island, Raoul Island, etc.

IDC 11 01:45:11.0±5.3, 0.22°31'S, 174°55'W, h0km, mb4.2/3, mbmp4.2/3, Error ellipse: s-maj=93.6km s-min=17.0km az=86.0

NEIC 11 01:45:28.8±1.8, 24°05S, 0°175°W, 0°11, h35km, 2km, mb4.9/14, Error ellipse: s-maj=22.2km s-min=15.6km az=12.0

ISC 11 01:45:28.2±0.7, 24°05S, 0°175°84W, 0°10, h35km, n22, c099/22, mb4.6/9, Tonga Islands region

Table with columns: Code, Station Name, A° Z', Phase ID, Time Res, etc. and rows for Niue, Niue, MSFV, EIDS, EIDS, etc. and rows for Charters Tower, Toolangi, Stephens Creek, etc.

IDC 11 01:45:11.0±5.3, 0.22°31'S, 174°55'W, h0km, mb4.2/3, mbmp4.2/3, Error ellipse: s-maj=93.6km s-min=17.0km az=86.0

NEIC 11 01:45:28.8±1.8, 24°05S, 0°175°W, 0°11, h35km, 2km, mb4.9/14, Error ellipse: s-maj=22.2km s-min=15.6km az=12.0

ISC 11 01:45:28.2±0.7, 24°05S, 0°175°84W, 0°10, h35km, n22, c099/22, mb4.6/9, Tonga Islands region

Table with columns: Code, Station Name, A° Z', Phase ID, Time Res, etc. and rows for Niue, Niue, MSFV, EIDS, EIDS, etc. and rows for Charters Tower, Toolangi, Stephens Creek, etc.

IDC 11 01:45:11.0±5.3, 0.22°31'S, 174°55'W, h0km, mb4.2/3, mbmp4.2/3, Error ellipse: s-maj=93.6km s-min=17.0km az=86.0

NEIC 11 01:45:28.8±1.8, 24°05S, 0°175°W, 0°11, h35km, 2km, mb4.9/14, Error ellipse: s-maj=22.2km s-min=15.6km az=12.0

ISC 11 01:45:28.2±0.7, 24°05S, 0°175°84W, 0°10, h35km, n22, c099/22, mb4.6/9, Tonga Islands region

Table with columns: Code, Station Name, A° Z', Phase ID, Time Res, etc. and rows for Niue, Niue, MSFV, EIDS, EIDS, etc. and rows for Charters Tower, Toolangi, Stephens Creek, etc.

11d 2h

Table of astronomical observations for 11 days, 2 hours. Columns include station name, object name, magnitude, position, and time. Includes stations like FORT, VVDA, KNRA, FITZ, etc.

2019 JAN

Table of astronomical observations for 2019 January. Columns include station name, object name, magnitude, position, and time. Includes stations like AKASG, AKKB, AK23, etc.

Code Station Name Az Alt Phase ID Time Res

RAO Raoul Island 2.62 215 Op ISC h m s ISC

RAO Raoul Island 2.62 215 Sn Sb 02 10 49.9 +3.2

RAO Raoul Island 2.62 215 Sn Sb 02 11 26.6 +2.1

URZ Urewera 12.46 205 Pn 02 15 57.2 -4.5

CTAO Charters Tower 35.01 273 P 02 16 58.1 +1.6

COEN Coen 40.05 281 P 02 17 39.9 +0.8

AS31 Alice Springs 44.97 263 P 02 18 18.6 -0.5

ASAR Alice Springs 44.97 263 P 02 18 18.6 -0.6

W2 Warrungarra Arr 45.68 268 P 02 18 23.4 -1.2

WRA Warrungarra Arr 45.67 268 P 02 18 23.4 -1.3

W2 Warrungarra Arr 45.68 268 P 02 18 24.4 -0.4

FOR Forest 48.49 252 P 02 18 46.1 -0.4

KNRA Kununurra 52.13 271 P 02 19 13.9 -0.4

QSPA South Pole Qui 62.99 180 P 02 20 32.4 +2.2

JMN Monobe 76.83 319 P 02 21 55.4 0.0

KBO Boxy Butte 84.00 36 P 02 22 32.2 -1.6

USRK Ussuriysk Arr 85.32 325 P 02 22 40.1 -0.2

TXAR Lajitas Array 89.27 56 P 02 23 00.4 +0.5

CMK Chiang Mai Arr 93.83 289 P 02 23 21.3 +0.2

ZALV Zalesovo Beam 116.60 319 PKP PKPdf 02 28 45.3 -1.7

KURB Kurchatov Arr 119.93 315 PKP PKPdf 02 28 52.4 -1.1

NOA NORARS Subarrat 145.70 354 PKP PKPdf 02 29 41.5 -0.2

AKASG Malin Array Be 149.51 327 PKP P 02 29 51.0 -1.3

BRTR Keskin Arr B 152.30 305 PKP P 02 29 58.0 -1.3

Table of astronomical observations for 2019 January. Columns include station name, object name, magnitude, position, and time. Includes stations like TOO, STKA, COEN, etc.

Code Station Name Az Alt Phase ID Time Res

WBO Warrungarra Arr 47.54 263 P 02 37 32.4 -1.2

W2 Warrungarra Arr 47.55 262 P 02 37 32.8 -0.8

WRA Warrungarra Arr 47.56 262 P 02 37 32.9 -0.9

KNRA Kununurra 53.72 266 P 02 38 20.4 +0.2

FITZ Fitzroy Crossi 55.99 262 P 02 38 36.6 -0.1

MBWA Marble Bar 60.66 257 P 02 39 08.7 -0.5

Code Station Name Az Alt Phase ID Time Res

M22K Willow 0.26 342 Op ISC h m s ISC

M22K Willow 0.26 342 Sn Pn 02 33 53.0 0.0

M22K Willow 0.26 342 S Sn 02 33 53.4 +0.1

FIS Fire Island 0.39 199 IAML Pn 02 33 48.3 +0.4

FIS Fire Island 0.39 199 IAML Sn 02 33 57.8

PMR Palmer 0.40 78 Pn 02 33 47.7 -0.4

PMR Palmer 0.40 78 Pn 02 33 55.4 -0.1

PMR Palmer 0.40 78 Pn 02 33 47.6 -0.4

PMR Palmer 0.40 78 Pn 02 33 55.5 -0.1

PMR Palmer 0.40 78 Pn 02 33 47.2 -0.9

RC01 Rabbit Creek A 0.44 166 Sn 02 33 47.9 -0.5

RC01 Rabbit Creek A 0.44 166 IAML Sn 02 33 55.7 -0.5

RC01 Rabbit Creek A 0.44 166 IAML Sn 02 33 57.2

RC01 Rabbit Creek A 0.44 166 Pn 02 33 47.9 -0.5

RC01 Rabbit Creek A 0.44 166 S Sn 02 33 55.7 -0.5

GHO Glory Hole Cre 0.56 62 Pn 02 33 50.0 0.0

GHO Glory Hole Cre 0.56 62 IAML Sn 02 34 00.1

GHO Glory Hole Cre 0.56 62 IAML Sn 02 34 00.3

KNK Knik Glacier 0.72 97 Pn 02 33 51.9 -0.1

KNK Knik Glacier 0.72 97 IAML Pn 02 34 06.0

KNK Knik Glacier 0.72 97 Pn 02 33 51.9 -0.1

SML Sawmill 0.83 68 Pn 02 33 53.2 -0.2

SML Sawmill 0.83 68 IAML Pn 02 34 07.7

SML Sawmill 0.83 68 IAML Pn 02 34 08.6

SML Sawmill 0.83 68 P 02 33 53.2 -0.2

SKT Skwentna 0.89 303 Pn 02 33 54.2 +0.1

SKT Skwentna 0.89 303 IAML Sn 02 34 06.7 +0.1

SKT Skwentna 0.89 303 IAML Sn 02 34 07.2

SKT Skwentna 0.89 303 IAML Sn 02 34 08.3

SKT Skwentna 0.89 303 Pn 02 33 54.2 +0.1

SKT Skwentna 0.89 303 S Sn 02 34 06.7 +0.7

STLK Strandline Lak 0.90 270 Sn 02 33 54.7 +0.4

STLK Strandline Lak 0.90 270 Sn 02 34 07.2 +0.8

STLK Strandline Lak 0.90 270 IAML Sn 02 34 08.3

CUT Chulitna 0.91 351 Pn 02 33 54.7 +0.4

CUT Chulitna 0.91 351 Pn 02 33 54.7 +0.4

CAPN Captain Cook N 0.95 218 Pn 02 33 56.3 +1.5

CAPN Captain Cook N 0.95 218 Pn 02 33 56.3 +1.5

SLKM Skilak Lake 1.01 187 Sn 02 34 09.4 +0.4

SLKM Skilak Lake 1.01 187 IAML Sn 02 34 10.0

SLKM Skilak Lake 1.01 187 IAML Sn 02 34 10.4

PWL Port Wells 1.02 129 IAML Pn 02 33 56.0 +0.1

PWL Port Wells 1.02 129 IAML Pn 02 34 10.7

PWL Port Wells 1.02 129 IAML Pn 02 34 10.9

PWL Port Wells 1.02 129 Pn 02 33 55.9 +0.1

O22K Cooper Landing 1.04 174 Pn 02 34 12.7

O22K Cooper Landing 1.04 174 Pn 02 33 55.9 -0.2

M23K Glacier View 1.10 74 Pn 02 33 57.2 +0.3

M23K Glacier View 1.10 74 Pn 02 34 12.5 +1.4

M23K Glacier View 1.10 74 Pn 02 33 57.2 +0.3

M23K Glacier View 1.10 74 S Sn 02 34 12.5 +1.4

SPBG Spurr Blockage 1.19 259 Pn 02 33 58.7 +0.5

SCM Sheep Creek Mo 1.29 74 Pn 02 34 00.1 +0.5

SCM Sheep Creek Mo 1.29 74 Pn 02 34 17.6 +1.8

SCM Sheep Creek Mo 1.29 74 Pn 02 34 00.1 +0.5

SCM Sheep Creek Mo 1.29 74 Pn 02 34 17.6 +1.8

SCM Sheep Creek Mo 1.29 74 Pn 02 34 17.6 +1.8

WAT1 Susitna Watana 1.48 26 Pn 02 34 02.8 +0.8

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Table with columns: WAT1, Susitna Watana, 1.48, 26, P, Pn, 02 34 02.8 +0.8, etc.

Table with columns: CCB, Clear Creek Bu, 3.30, 16, IAML, 02 35 23.1, etc.

Table with columns: O30N, Mendenhall, 6.75, 90, P, Pn, 02 35 14.0 -0.2, etc.

Table of meteorological data for stations in the 11d 2h region, including station names, coordinates, and various atmospheric measurements.

Table of meteorological data for stations in the 2019 JAN region, including station names, coordinates, and various atmospheric measurements.

Table of meteorological data for stations in the 620 region, including station names, coordinates, and various atmospheric measurements.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KOZ, SPN, SREDINNY, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SRNI, JMU, BHK, etc.

IDC 11 02:52:12.2-0.3,1.34,08N*74.91E,h10km,13km,ML3.5, MW3.2,1C, Southwestern Kashmir

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like RAO, MSVF, URZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BELA, MJAR, TROLL, etc.

KRNET 11 03:02:33.9-0.1,42.26N;76.33E,h18km,mb3.1 SOME 11 03:02:34.1,42.23N;76.33E,h15km

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ULHL, BOOM, KDJ, etc.

ISDC 11 02:52:17.1-0.6,26.98S;07*176.23W,0.10,h31km,n44, r131/45,mb4.6/19,2C-2D, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like AAA, MDOK, DGS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like TARG, UCH, FRU1, etc.

Table with columns: SKT, comp, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like Skwentna, Skliak Lake, Chulitna, Captain Cook N, etc.

SJA 11 04:14:53.8-0.7, 30.765x71.67W, h5km, 12km, ML2.6, MW2.6

GUC 11 04:14:57.3-0.4, 30.855x71.58W, h36km, 2km, ML2.7

ISC 11 04:14:57.9-1.4, 30.825-0.05:71.55W, 0.07, h2km, 10km, n15, s26N/29, i1-10, Near coast of central Chile

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like Fray Jorge, El Pedregal, Tololo Observa, La Serena, Juntas del Tor, etc.

KRSC 11 04:15:36.2-0.5, 52.66N, 159.44E, h50km, 6km, M13.7, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like NLC, DALK, Mys Shipunski, Petropavlovsk, Russkaya, etc.

Table with columns: KRX, Arik, 0.85 326 eP, Pn, 04 15 53.1 +1.0, etc.

ASRS 11 04:54:56.0-0.7, 54.18N, 87.09E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 11 04:54:59.0-3.0, 54.20N-87.12E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=27.6km s-min=16.0km az=67.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like ZALESOV INFRA, ZALV Zalesovo Beam, etc.

IDC 11 05:02:29.7-1.5, 2.52N-95.71E, h0km, mb4.0/9, mbtmp4.0/11, ML3.9/2, MS3.0/2, Error ellipse: s-maj=39.3km s-min=17.6km az=49.0

NEIC 11 05:02:32.5-1.0, 2.52N-95.77E, h10km, 1km, mb4.3/20, Error ellipse: s-maj=15.4km s-min=9.9km az=2.0

DJA 11 05:02:33.2-0.7, 3°N, 3°9'E, h16km, 5km, M4.5/17, mb5.0/4, mb4.75, MLV4.1/7, MW(mb)E4.3/4

ISC 11 05:02:34.2-0.7, 2.52N-0.06:95.77E-0.06, h25km, n73, i142/70, mb4.3/27, 2D, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like Sinabang, Aceh, Meulaboh, Aceh, etc.

PBSI Pulau Batu, MNSI Mandailing Nat, SISI Saibbi, PPI Padang Panjang, etc.

KULM Kulim, IPM Ipoh, PPSI Pulau Pagai, etc.

MYKOM Kota Tinggi, MNAI Manna, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

CHTO CHANG THAI, SAIH SAHAI, etc.

SAIH SAIH, SLVN Son La, AZL Aizawl, etc.

AZL Lahad Datu, MYLDM MYLDM, etc.

MNGI Mangalore, SHL Shillong, etc.

MOKO MOKOCHONG, MOKO ZIRO, etc.

ZIRO ZIRO, TAWA Tawang, etc.

TAWA TAWA, H0S82 Diego Garcia H, H0S83 Diego Garcia H, etc.

AKL Akola, LUWI Luwuk, SOEI Soe, etc.

LYN LuoYang, GTA Gaotai, GNS HongShan, etc.

HHC Hu-ho-hao-te, H01W3 Cape Leeuwin H, etc.

H01W1 Cape Leeuwin H, H01W1 Cape Leeuwin H, etc.

WUS Wushi, BJT Baijiatuu, WMQ Urumqi, etc.

WMQ Urumqi, SIMJ Simiganj, B00M Bostoye ush, etc.

BTM Batken

Table with columns: BTK, comp, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes stations like Arslanbob, Warramunga Arr, etc.

ASAR Alice Springs, KSRS Korea Array, etc.

MK31 Makanchi Array, MKAR Makanchi Array, etc.

SONM Songino Array, ULN Ulanbataar, etc.

KKAR Kararay Array, KURB Kurbov Arra, etc.

ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

BVAR Borovoye Array, ABKAR Akbulak array, etc.

KLR Kutludun, H04N2 CROZET ISLANDS 62.08 213 T, etc.

H04N1 CROZET ISLANDS 62.09 213 T, H04N3 CROZET ISLANDS 62.09 213 T, etc.

H04S1 CROZET ISLANDS 62.44 212 T, H04S3 CROZET ISLANDS 62.45 212 T, etc.

H04S2 CROZET ISLANDS 62.46 212 T

DRS 11 05:10:57.9, 42.84N-45.66E, h6km, NORS 11 05:10:58.6, 42.80N-45.60E, h23km, MPVA3.6, MOS 11 05:10:57.7, 42.86N-45.61E, h9km, MPVA3.5, Eastern Caucasus

GROC Groznyy, DVE Vedeno, DVE Vedeno, etc.

BTLR Botlikh, DLMR Dymk, DLMR Dymk, etc.

UNCR Uneuukul, UNCR Uneuukul, DBC Dubnik, etc.

DBK Batakoyurt, BKRR Karanay, KRNR Karanay, etc.

LACR Lac, ARNR Ardon, ARKR Arakani, etc.

ARKR Arakani, BUJR Buynaksk, BUJR Buynaksk, etc.

GNBR Gunib, KORR Kora, KORR Kora, etc.

STDR Stavd-Durt, KMKR Kumukh, KMKR Kumukh, etc.

PRTR Pitirechnaya, DIGR Digorskoye uzhe, DIGR Digorskoye uzhe, etc.

KBZ Khabaz, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, etc.

KIV Kislovodsk, KIV Kislovodsk, etc.

IDC 11 05:14:33.0-2.1, 8.01S: 119.66E, h202km, 18km, mb3.2/5, mbtmp3.7/9, Error ellipse: s-maj=57.3km s-min=10.8km az=55.0

DJA 11 05:14:34.6-0.7, 8°S, 4°12'E, h167km, 9km, M3.5/9, ML3.5/9

ISC 11 05:14:32.5-0.9, 8.13S: 0.06x119.71E-0.06, h188km, 9km, n18, i197/20, mb3.7/4, Flores region

WBSI Waikabubak, WBSI Waingapu, WBSI Waingapu, etc.

PLAI Plampang, BSSI Bang Bau, BSSI Bang Bau, etc.

BASI Baing Sumba, BASI Baing Sumba, etc.

TWSI Talukumba, TWSI Talukumba, etc.

KAPI Kappang, BATI Baunata, BATI Baunata, etc.

BATI Baunata, FOZI Fitozy Crossi, FOZI Fitozy Crossi, etc.

Table with columns: CTA, Charters Tower, 37.14 265, P, P, 06 05 22.4 -1.8, comp=Z,627nm,0.8s

Table with columns: VVND, Vanda, 57.27 186, P, P, 06 08 00.3 0.0, comp=Z,26nm,1.0s,baz=71.1,slow=6.2,SNR=10.0

Table with columns: PFO, Pmax, pmax, S12K, Black Hills, 77.58 7, P, P, 06 10 09.7 +0.8, comp=Z,41nm,1.4s

IDC 11 06:54:32.3±1.5, 34.07N; 77.30E, h0km, mb3.8/6, mbmp3.7/10, ML3.1/3, Error ellipse: s-maj=46.9km s-min=17.7km az=64.0

ISC 11 06:54:38.7±1.2, 34.22N; 02.777.7E, h35km, n11, az=183/11, mb3.6/7, Eastern Kashmir

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK, MKAR, KURBB, BVAR, AKTO, CMAR, SONM, FINES, WRA, ASAR, YKA.

SJA 11 06:59:02.6±0.7, 24.09S; 66.84W, h204km, 5km, ML3.7, MW3.9

NEIC 11 06:59:02.8±1.6, 24.21S; 0.09-66.90W, 0.09, h212km, 14km, mb4.1/5, Error ellipse: s-maj=16.8km s-min=5.2km az=136.0

GUC 11 06:59:03.9±0.7, 24.09S; 67.26W, h248km, 7km, ML3.8

IDC 11 06:59:07.8±2.4, 23.78S; 66.64W, h233km, 24km, mb3.3/3, mbmp3.9/6, Error ellipse: s-maj=28.6km s-min=17.9km az=116.0

ISC 11 06:59:03.0±0.7, 24.13S; 0.04-66.88W, 0.04, h205km, 6km, n54, az=154/72, mb3.4/3, IC, Salta Province

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SLA, AZAP, AF01, GO02, PB09, PB14, PB04, PB01, AC06, PB08, TA01, TA02, GO01, ACLC, AC04, LCO, GO04, LPAZ, CPUP, TRQA, GO06, PLCA, LL04, LV00, BDFB, GSPA, TORD, YKA, ASAR, WRA.

MKAR Makanchi Array 146.55 40 PKPbc PKPbc 07 18 20.6 +0.1 comp=2.0, 8nm, 0.8s, baz=330, slow=2.4, SNR=6.0

NEIC 11 07:00:24.1±1.2, 17.77N; 0.08-145.8E, 0.2, h95km, 10km, mb4.3/20, Error ellipse: s-maj=26.2km s-min=11.6km az=95.0

IDC 11 07:00:24.2±3.1, 17.81N; 145.96E, h104km, 32km, mb3.3/8, mbmp3.8/9, Error ellipse: s-maj=26.8km s-min=19.8km az=97.0

ISC 11 07:00:23.9±0.7, 17.79N; 0.07-145.8E, 0.2, h100km, n32, az=106/33, mb4.1/18, Mariana Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUMO, JCJ, KAPI, PEAOB, WBO, WRA, SLVN, ASAR, CMAR, BBOO, M11K, MAJO, KAPI, ANM, L16K, H18K, KDKA, PDLA, SKT, CAST, KURBB, RC01, BPAW, E22K, ILAR, BVAR, YKA, LPAZ.

ASRS 11 07:00:53.0±0.7, 54.71N; 83.68E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 11 07:00:55.1±2.4, 54.59N; 83.82E, h0km, mbmp2.9/2, ML2.5/2, Error ellipse: s-maj=18.3km s-min=11.0km az=166.0, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR, DJA, CMJI, CMJI, KPJI, LEM, YOGI, UGJI, PCJI, PWJI, GMJI, JAGI.

ASRS 11 07:05:07.0±1.6, 54.38N; 86.78E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 11 07:05:08.4±3.6, 54.47N; 87.00E, h0km, mbmp2.8/2, ML2.2/1, Error ellipse: s-maj=31.7km s-min=20.6km az=49.0, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR, DJA, CMJI, CMJI, KPJI, LEM, YOGI, UGJI, PCJI, PWJI, GMJI, JAGI.

ASRS 11 07:24:58.0±1.4, 49.73N; 81.60E, h0km, mbmp2.6/1, ML2.6/1, Error ellipse: s-maj=18.7km s-min=10.5km az=50.0

ISC 11 07:24:54.3±1.3, 49.64N; 0.05-81.73E, 0.08, h0km, n9, az=156/10, 6C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR, DJA, CMJI, CMJI, KPJI, LEM, YOGI, UGJI, PCJI, PWJI, GMJI, JAGI.

ASRS 11 07:27:54.2±5.6, 61.98N; 0.02-149.35W, 0.04, h20km, 7km, Error ellipse: s-maj=2.8km s-min=2.8km az=194.0

NEIC 11 07:27:54.0±1.7, 61.99N; 0.01-149.30W, 0.03, h11km, ML2.2, ML2.4/7(NEIC), Error ellipse: s-maj=1.8km s-min=1.7km az=92.0, Southern Alaska

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR, DJA, CMJI, CMJI, KPJI, LEM, YOGI, UGJI, PCJI, PWJI, GMJI, JAGI.

Code Station Name Δ° AZ° Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR.

IDC 11 07:17:15.6±14.0, 56.24S; 27.44W, h146km, 130km, mb3.5/2, mbmp4.0/3, ML4.1/1, MS3.4/1, Error ellipse: s-maj=90.0km s-min=41.0km az=111.0

ISC 11 07:17:11.4±1.5, 56.25S; 0.2-27.7W, 0.5, h112km, n8, az=048/6, 2D, South Sandwich Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNA, SNA, TROLL, PLCA, QSPA, TORD, ILAR, SONM.

IDC 11 07:20:47.7±34.1, 0.5361N; 101.99E, h0km, Error ellipse: s-maj=147.2km s-min=106.2km az=162.0, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like I34MN, H46RU, I45RU, I30JP.

ASRS 11 07:21:44.0±0.9, 54.13N; 86.43E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 11 07:21:45.5±2.8, 54.18N; 86.55E, h0km, mbmp3.0/2, ML2.8/2, Error ellipse: s-maj=23.3km s-min=13.5km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR.

ASRS 11 07:23:28.0±1.2, 53.86N; 86.83E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 11 07:23:32.8±2.6, 53.86N; 86.68E, h0km, mbmp2.9/2, ML2.6/2, Error ellipse: s-maj=22.1km s-min=12.9km az=67.0, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR.

SOME 11 07:24:56.3, 49.57N; 81.42E

IDC 11 07:24:58.0±1.4, 49.73N; 81.60E, h0km, mbmp2.6/1, ML2.6/1, Error ellipse: s-maj=18.7km s-min=10.5km az=50.0

NNC 11 07:25:00.6±3.2, 49.62N; 81.54E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=55.6km s-min=8.9km az=51.0, Suspected Mining explosion.

ISC 11 07:24:54.3±1.3, 49.64N; 0.05-81.73E, 0.08, h0km, n9, az=156/10, 6C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KURK, KURK, KURBB, KURBB, MKAR, H46RU, ZALV, ZALV, BVAR, MKAR.

NEIC 11 07:27:54.2±5.6, 61.98N; 0.02-149.35W, 0.04, h20km, 7km, Error ellipse: s-maj=2.8km s-min=2.8km az=194.0

NEIC 11 07:27:54.0±1.7, 61.99N; 0.01-149.30W, 0.03, h11km, ML2.2, ML2.4/7(NEIC), Error ellipse: s-maj=1.8km s-min=1.7km az=92.0, Southern Alaska

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GHO, GHO.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like AJN, JASK, SOHO, ALNE, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like I46RU, ZALV, KURBB, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like BBOO, HNS, NWAO, STKA, etc.

Station information for IDC 11 08:01:20.5, 0.5, 2.69N, 126.93E, h0km, mb4.5/27, mblmp4.5/27, MS3.8/17, Error ellipse: s-maj=24.9km

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like ARQ, LAR, KHNJ, MZWR, etc.

Station information for IDC 11 09:01:25.4, 0.4, 3.24N, 127.7E, h10km, M4.4/14, mB5.1/2, mb4.5/4, MLV4.4/14, Mw(mb)4.5/2

Station information for IDC 11 09:01:25.9, 2.2, 2.72N, 102.06E, h35km, 2km, mb4.8/43, Error ellipse: s-maj=13.6km s-min=9.5km

Station information for IDC 11 09:01:25.8, 0.4, 2.73N, 100.44E, h10.8, h35km, m138, c1524/131, mb4.7/60, MS3.8/16, 1C-1D, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like CMSA, BJT, BJI, BZJ, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like HHC, SHL, USA0B, USRK, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like XLT, BNL, BINX, LSA, etc.

ASRS 11 08:53:32.0, 1.7, 5.414N, 87.24E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

ASRS 11 08:54:21.0, 1.1, 5.423N, 87.07E, h0km, M2.9, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 11 08:54:23.4, 2.8, 5.417N, 87.26E, h0km, mblmp2.8/3, ML2.6/2, Error ellipse: s-maj=25.0km s-min=15.1km az=69.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like FITZ, YULB, TPUB, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like WBO, WRAB, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like KLR, PALK, HEH, ULN, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like WMQ, MSVF, PETK, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like AAK, BRTR, AKTO, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like MEEK, JUNU, PHRA, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like MKAR, KSH, YAK, etc.

IDC 11 08:55:20.7, 3.2, 21.79S, 178.70E, h653km, 71km, mb2.6/3, mblmp3.5/4, Error ellipse: s-maj=243.8km s-min=26.5km, az=158.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like MSVF, ASAR, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like CHTO, ENH, FORT, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like KBL, KURB, KURK, etc.

ASRS 11 08:58:26.0, 1.1, 5.414N, 86.90E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 11 08:58:26.8, 3.3, 5.449N, 87.06E, h0km, mblmp2.9/2, ML2.7/2, Error ellipse: s-maj=29.1km s-min=17.7km

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like MAJO, MJB9, XAN, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, ISC. Rows include stations like ARTI, RAYN, BELG, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like APSI Ampana, BATI Baumata, BATI 15nm,0.4s, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like JMM Marumori, JMM Marumori, LZH Lanzhou, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like ERTU Kolari, KLF KLF, KLF Hetta, etc.

SOME 11 10:51:56.0, 40:85N:79:87E, h5km
NMC 11 10:51:57.4, 12:40:88N:79:85E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=8.5km s-min=6.7km az=143.0
ISC 11 10:52:00.3-4.3, 41.0N:02-79.8E:0.1, h10km, n9,
-05:70:13, Kyrgyzstan-Xinjiang border region

IDC 11 11:00:30.6-6.2, 44:65N:145:59E, h0km, mb3.7/5,
mbmp3.7/5, Error ellipse: s-maj=193.9km s-min=27.4km
az=173.0
JMA 11 11:00:31.0-4.0, 24:45N:0:6:145:6E:0.9, h21km, 1km,
MV3:738, NEAR KUNASHIRI ISLAND
MOS 11 11:00:31.8:1.1, 44:36N:145:55E, h3km, mb4.7/1, Error
ellipse: s-maj=29.0km s-min=16.7km az=110.6
SKHL 11 11:00:32.2-0.2, 44:50N:145:70E, h3km, mb5.2/2,
ISC 11 11:00:32.4:1.1, 44:43N:0:0:145:61E:0.03, h19km, 3km,
n29, c084/41, mb3.5/2, HD, Hokkaido region

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156d/PN Op P 11 00 54.6 -0.3
Sg 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

Code Station Name Az AzZ Phase ID Time Res
ISC h m s ISC
YUK Yuzh-Kuril'sk 0.44 156 i P AMB P 11 00 41.1 -0.3
Pb 11 00 47.6 +0.1

HEL 11 10:54:39.2-0.5, 67:64N:20:84E, h0km, ML1.3,
Suspected explosion, Sweden

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like LANU Lannavaara, LANU Pajala, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, SNR, and other parameters. Includes stations like TAP 11 11:06:20.4, 23:08N:120:75E, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like STYH Taoyuan, SGST Jiashian, WTP Ta-pu, etc.

IDC 11 11:06:42.3:334.0,56.76N-96.81E, h0km, Error ellipse: s-maj=148.7km s-min=122.8km az=29.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, I34MN SONGINO INFRA, I45RU USSURIYSK INFRA.

KRSC 11 11:06:46.2:0.8,55.68N-165.88E, h39km, 13km, M3.8. IDC 11 11:06:48.8:1.9,54.77N-166.22E, h0km, mb3.4/2, mbtmp3.6/4, M3.2/2. Error ellipse: s-maj=62.0km s-min=32.8km az=167.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, KMNRR Kamenistaya, etc.

IDC 11 11:16:10.6:2.1,54.66N-166.28E, h0km, mb3.2/3, mbtmp3.2/4, M3.2/2. Error ellipse: s-maj=107.5km s-min=58.0km az=158.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, KMNRR Kamenistaya, etc.

IDC 11 11:18:34.3:999.0,53.53N-34.72E, h0km, Error ellipse: s-maj=1419.0km s-min=263.2km az=85.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like I31KZ AKTYUBINSK INF, I46RU ZALESOVO INFRA, I34MN SONGINO INFRA.

RSNC 11 11:18:58.8:0.0,7.1N-1.73W, h150km, 2km, M2.8, mb3.8, ML2.6, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BARC Barichara, BRUC Barrancabermej, PAMC Pamplona, etc.

KRNET 11 11:24:45.9:0.1,40.69N-73.30E, h16km, mb3.3

SOME 11 11:24:46.2:0.4,40.75N-73.32E, h10km

NMC 11 11:24:47.3:1.0,40.76N-73.31E, h0km, mb3.9, mpv3.5

Error ellipse: s-maj=9.0km s-min=3.9km az=174.0

KNET 11 11:24:48.2:0.4,40.81N-73.45E, h3km, 3km, m3.0, Error ellipse: s-maj=6.3km s-min=2.7km az=94.0

ISC 11 11:24:46.4:0.7,40.69N-73.31E, h10km, n76, a197/125,46C-35D, Kyrgyzstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OHH Osh, SALK Salom-Alik, ARSB Arslanbob, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like USP Oспенновка, USP Oспенновка, USM Tkmok 2, etc.

11d 14h

Table listing stations and their details for the 11d 14h period. Columns include station name, coordinates, and various parameters like elevation and frequency.

2019 JAN

Main table listing stations and their details for 2019 JAN. Columns include station name, coordinates, and various parameters like elevation and frequency.

640

Table listing stations and their details for the 640 period. Columns include station name, coordinates, and various parameters like elevation and frequency.

N25K	Chitina, Valde	2.56	85	Pn	Pn	15 57 09.1 +0.2			
N25K	comp=N,694nm,0.7s					15 57 49.2			
N25K	comp=E,739nm,0.7s					15 57 51.2			
N25K	Chitina, Valde	2.56	85	P	Pn	15 57 08.9 -0.0			
PAX	Paxson	2.58	52	P	Pn	15 57 10.3 +1.3			
PAX	Paxson	2.58	52	P	Pn	15 57 10.3 +1.3			
BMRM	Bremner River	2.63	99	P	Pn	15 57 09.3 -0.5			
CHUM	Lake Minchum	2.66	337	P	Pn	15 57 10.3 +0.3			
CHUM	Lake Minchum	2.66	337	P	Pn	15 57 10.3 +0.3			
BPWA	Bear Paw Mtn.	2.68	350	P	Pn	15 57 10.4 -0.0			
BPWA	Bear Paw Mtn.	2.68	350	IAML		15 58 00.0			
BPWA	Bear Paw Mtn.	2.68	350	P	Pn	15 57 10.4 -0.0			
GOAT	Goat Mountain	2.69	107	Pn	Pn	15 57 10.4 -0.2			
Q23K	Middleton Isia	2.72	137	Pn	Pn	15 57 13.4 +2.6			
Q23K	comp=N,503nm,0.7s					15 58 02.8			
BWN	Browne	2.72	4	Pn	Pn	15 57 13.5 +2.6			
BWN	Browne	2.72	4	IAML		15 57 58.5			
WACK	Wrangell Chich	2.72	77	Pn	Pn	15 57 11.9 +0.8			
AHC	Alchich Cone	2.74	221	P	Pn	15 57 12.8 +1.6			
RAGM	Ragged Mountai	2.79	111	Pn	Pn	15 57 11.8 -0.4			
GLB	Gilahina Butte	2.94	88	Pn	Pn	15 57 13.9 -0.2			
GLB	Gilahina Butte	2.94	88	IAML		15 58 00.5			
HMT	Hamilton	3.00	110	Pn	Pn	15 57 14.1 -0.7			
O18K	Koktuh Hills	3.06	240	Pn	Pn	15 57 15.9 +0.4			
O18K	Koktuh Hills	3.06	240	P	Pn	15 57 15.8 +0.2			
Q20K	Shuyak Island	3.12	204	P	Pn	15 57 17.2 +0.7			
SYI	Shuyak Island	3.12	204	Pn	Pn	15 57 17.2 +0.8			
WRH	Wood River Hill	3.13	15	Pn	Pn	15 57 17.1 +0.6			
WRH	Wood River Hill	3.13	15	IAML		15 58 09.3			
KAIM	Kayak Island	3.13	117	Pn	Pn	15 57 15.2 -1.3			
KAIM	Kayak Island	3.13	117	IAML		15 58 07.9			
KAIM	comp=N,390nm,1.0s					15 58 17.5			
KAIM	Kayak Island	3.13	117	P	Pn	15 57 15.2 -1.3			
VRDI	Verde Repeater	3.14	92	IAML		15 58 09.7			
Q19K	Cape Douglas,	3.15	218	IAML		15 57 17.9 +1.1			
Q19K	comp=N,838nm,1.0s					15 58 21.6			
Q19K	Cape Douglas,	3.15	218	P	Pn	15 57 17.8 +0.9			
NEA2	Nenana	3.16	7	Pn	Pn	15 57 16.8 -0.1			
NEA2	Nenana	3.16	7	P	Pn	15 57 16.8 -0.1			
NICHA	Nichawak Mount	3.18	110	Pn	Pn	15 57 16.5 -0.7			
BERG	Berg Lake	3.23	107	Pn	Pn	15 57 17.1 -0.8			
HDA	Harding Lake	3.25	24	IAML		15 57 19.2 +1.0			
HDA	Harding Lake	3.25	24	IAML		15 58 15.8			
HDA	comp=N,490nm,0.5s					15 58 16.2			
HDA	Harding Lake	3.25	24	P	Pn	15 57 19.2 +1.0			
MENT	Mentasta	3.27	61	Pn	Pn	15 57 19.4 +1.0			
MENT	Mentasta	3.27	61	P	Pn	15 57 21.5 +3.1			
RIDG	Independent Ri	3.27	44	IAML		15 57 20.3 +1.8			
RIDG	Independent Ri	3.27	44	IAML		15 58 07.7			
RIDG	comp=N,449nm,0.7s					15 58 14.1			
RIDG	Independent Ri	3.27	44	P	Pn	15 57 20.3 +1.8			
CCB	Clear Creek Bu	3.33	16	Pn	Pn	15 57 19.4 +0.2			
P18K	Big Mountain,	3.35	234	P	Pn	15 57 19.9 +0.3			
P18K	Big Mountain,	3.35	234	P	Pn	15 57 19.9 +0.1			
COLA	College	3.54	15	Pn	Pn	15 57 23.8 +1.6			
COLA	College	3.54	15	P	Pn	15 57 23.6 +1.4			
COLA	College	3.54	15	Pn	Pn	15 58 06.3 +3.6			
IL31	Elson Array	3.59	21	Pn	Pn	15 57 23.8 +0.8			
ILAR	Elson Array	3.59	21	P	Pn	15 57 23.8 +0.9			
ILAR	comp=N,5.7nm,0.3s,baz=200,slo=14,SNR=97					15 58 08.6 +4.6			
BALM	Baldy	3.70	93	Pn	Pn	15 57 24.1 -0.4			
I23K	Minto, Yukon-K	3.70	4	IAML		15 57 24.4 +0.1			
I23K	Minto, Yukon-K	3.70	4	IAML		15 58 25.4			
I23K	comp=N,220nm,0.8s					15 58 33.7			
I23K	Minto, Yukon-K	3.70	4	P	Pn	15 57 24.4 +0.1			
KIAG	Kiagna River	3.71	95	Pn	Pn	15 57 24.3 -0.4			
SNH	Sunshine Point	3.71	107	IAML		15 57 24.3 -0.3			
SNH	Sunshine Point	3.71	107	IAML		15 58 32.8			
SNH	comp=N,198nm,1.1s					15 58 33.7			
SCRK	Sand Creek	3.72	45	Pn	Pn	15 57 24.9 +0.2			
SCRK	Sand Creek	3.72	45	IAML		15 58 24.0			
SCRK	comp=N,176nm,0.8s					15 58 29.2			
SCRK	Sand Creek	3.72	45	P	Pn	15 57 24.9 +0.2			
KAHG	Katmai Hook G	3.78	220	Pn	Pn	15 57 26.2 +0.7			
BARK	Barkley Ridge	3.79	103	Pn	Pn	15 57 25.6 -0.1			
KAHG	Katmai Hardscr	3.80	224	P	Pn	15 57 26.2 +0.3			
Q18K	Katmai Hardscr	3.80	224	P	Pn	15 57 26.2 +0.3			
POKR	Poker Plat Res	3.83	16	IAML		15 57 26.6 +0.5			
POKR	Poker Plat Res	3.83	16	IAML		15 58 36.8			
POKR	comp=E,190nm,1.0s					15 57 26.6 +0.5			
I21K	Tanana	3.83	347	Pn	Pn	15 57 26.9 +0.7			
I21K	Tanana	3.83	347	P	Pn	15 57 26.9 +0.7			
O17K	Koliganek Bris	3.91	247	Pn	Pn	15 57 27.8 +0.5			
KDAK	Kodiak Island	3.94	201	P	Pn	15 57 26.9 -0.6			
KDAK	Kodiak Island	3.94	201	P	Pn	15 57 25.4 -2.2			
KDAK	comp=E,1.7nm,0.3s,baz=321,slo=13,SNR=99					15 58 08.9 -3.5			
P17K	Kvichak River	3.96	238	P	Pn	15 57 28.6 +0.8			
ACHA	Beaver Creek A	4.13	64	Pn	Pn	15 57 31.2 +0.8			
BCAR	Angle Creek He	4.25	222	Pn	Pn	15 57 32.9 +0.9			
ANCK	Angle Creek	4.32	223	Pn	Pn	15 57 33.7 +0.9			
YUK2	White River	4.36	83	Pn	Pn	15 57 33.8 +0.4			
Q17K	Contact Creek	4.40	226	P	Pn	15 57 34.7 +0.7			
KJL	Kejulik	4.46	222	Pn	Pn	15 57 35.9 +1.1			
PRP	Porcupine Dome	4.52	24	IAML		15 58 45.7			
PRP	comp=N,153nm,0.7s					15 57 37.1 +1.4			
R18K	Karluk	4.54	212	IAML		15 57 36.2 +0.4			
R18K	Karluk	4.54	212	IAML		15 58 44.2			
R18K	comp=N,285nm,0.5s					15 58 44.2			
R18K	Karluk	4.54	212	P	Pn	15 57 36.2 +0.4			
GCSA	Galena City Sc	4.55	319	P	Pn	15 57 37.0 +1.1			
L16K	Owhat River	4.56	277	IAML		15 59 00.3			
L16K	comp=N,39nm,1.1s					15 59 00.3			
L16K	Owhat River	4.56	277	P	Pn	15 57 36.5 +0.4			
OHAK	Old Harbor	4.59	203	P	Pn	15 57 38.8 +2.3			
OHAK	Old Harbor	4.59	203	P	Pn	15 57 39.0 +2.4			
SAMH	Samovar Hills	4.69	103	Pn	Pn	15 57 38.5 +0.5			

P16K	Nushagak River	4.70	242	P	Pn	15 57 39.2 +1.2			
PCA	Pinnacle	4.94	102	P	Pn	15 57 40.8 -0.6			
PIGM	Pinnacle	4.95	102	P	Pn	15 57 40.8 -0.7			
EGAK	Eagle	5.18	46	Pn	IAML	15 57 46.5 +1.9			
EGAK	comp=E,163nm,0.7s					15 59 10.1			
EGAK	Allakaket	5.18	46	P	Pn	15 57 45.8 +1.2			
G21K	Allakaket	5.30	344	IAML		15 59 20.2			
G21K	Allakaket	5.30	344	P	Pn	15 57 47.4 +1.2			
G21K	Allakaket	5.30	344	P	Pn	15 57 47.4 +1.2			
SII	Sitkinak Islan	5.39	206	P	Pn	15 57 50.3 +2.7			
YUK4	Talbot Arm	5.43	86	P	Pn	15 57 49.5 +1.3			
DAWY	Dawson	5.50	57	P	Pn	15 57 50.2 +1.2			
DAWY	Dawson	5.50	57	P	Pn	15 57 50.2 +1.2			
I17K	Unalakleet	5.51	301	P	Pn	15 57 49.7 +0.6			
I17K	Unalakleet	5.51	301	P	Pn	15 57 49.7 +0.6			
M14K	Bethel	5.87	268	P	Pn	15 57 54.8 -0.7			
G18K	Tagagawik	5.89	323	P	Pn	15 57 54.8 +0.5			
G18K	Tagagawik	5.89	323	P	Pn	15 57 54.8 +0.5			
F20K	Avaraart Lake	6.14	338	P	Pn	15 57 58.3 +0.7			
F20K	Avaraart Lake	6.14	338	P	Pn	15 57 58.3 +0.7			
G17K	Kiwalik Mouna	6.27	315	P	Pn	15 58 00.1 +0.7			
G17K	Kiwalik Mouna	6.27	315	P	Pn	15 58 00.1 +0.7			
F19K	Shalercuk Mo	6.37	331	P	Pn	15 58 01.2 +0.3			
F19K	Shalercuk Mo	6.37	331	P	Pn	15 58 01.2 +0.3			
CHIR	Chirikof Islan	6.39	210	P	Pn	15 58 01.9 +0.7			
BMAR	Burnt Mountain	6.41	19	Pn	Pn	15 58 03.0 +1.5			
H16K	Elim	6.42	305	P	Pn	15 58 02.3 +0.7			
H16K	Elim	6.42	305	P	Pn	15 58 02.3 +0.7			
G27K	Doyon Strip	6.46	30	P	Pn	15 58 03.3 +1.1			
G27K	Doyon Strip	6.46	30	P					

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KPKS, ARXS, SHLS, PDGGO, BLB, KNOS, DJR, WEL.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MXZ, WNGZ, HAZ, PKGZ, WUZ, PUZ, UNZ, URZ, TOZ, RIGZ, MUGZ, SNGZ.

NEIC 11 16:31:24.4+1.8, 61.42N, 0.03-149.91W, 0.07, h41km, 6km, Error ellipse: s-maj=5.7km s-min=3.9km az=133.0

AEIC 11 16:31:25.0+1.6, 61.42N, 0.04-149.91W, 0.06, h37km, 5km, ML2.6, ML2.8/94(NEIC), Error ellipse: s-maj=5.4km s-min=3.7km az=157.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FIS, RC01, M22K, PMR, GHO, SKT, CAPN, STLK, SKM, PWL, SKT, CUT, SPU, SPBG, SCM, SEW, RDT, WAT7, WAT6, WAT5, RWB, BRK, BRK, PPLA, P23K, O20K, M24K, KLU, KLU, KLU, HIN, HIN.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HIN, CNPM, CNPM, CNPM, DIV, DIV, DIV, DHY, DHY, DHY, TRF, RND, IVE, ILSW, ILSW, ILSW, KTH, KTH, KTH, EYAK, CAST, MCK, P19K, HARP, N25K, N25K, PAX, BMRM, BPAW, GLB, GLB, O18K, O18K, SYI, SYI, SYI, O19K, BERG, NEA2, IL31, SNH, SNH, SCRC, SCRC, I23K, BARK, KAHC, POKR, I21K, I26K, I26K, G21K.

IDC 11 16:43:34.1-88.0, 51.37N, 32.33E, h0km, Error ellipse: s-maj=399.9km s-min=126.9km az=33.0, Baltic States-Belarus-Northwestern Russia

IDC 11 17:29:10.0+2.5, 6.69S, 129.89E, h0km, mb3.1/1, mbtmp3.1/4, ML3.1/3, Error ellipse: s-maj=93.5km s-min=30.7km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I43RU, I31KZ, I46RU, FITZ, WRA, WRA, ASAR, MKAR, WRA, WRA, ASAR, MKAR, WRA, WRA, ASAR, MKAR.

IDC 11 17:35:27.6+1.5, 2.71N, 127.07E, h0km, mb3.5/6, mbtmp3.6/6, Error ellipse: s-maj=109.4km s-min=19.0km az=68.0, Northern Molouca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ, WRA, WRA, ASAR, MKAR, WRA, WRA, ASAR, MKAR, WRA, WRA, ASAR, MKAR.

IDC 11 17:35:49.3+1.5, 29.15N, 104.44E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=458.8km s-min=21.9km az=55.0, Sicuan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MKAR, WRA, WRA, ASAR, MKAR, WRA, WRA, ASAR, MKAR, WRA, WRA, ASAR, MKAR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BATI, ASAR, MKAR, ILAR.

KRSC 11 18:18:12.3+0.9, 54.89N, 164.45E, h49km, 25km, ML3.5, IDC 11 18:18:12.4+2.0, 54.76N, 164.49E, h0km, mb3.2/3, mbtmp3.1/4, ML2.1/1, Error ellipse: s-maj=80.2km s-min=23.8km az=162.0

ISC 11 18:18:15.4+0.9, 54.94N, 164.54E, 0.05, h27km, n18, s176/26, mb3.3/3, Komandorskiy islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BKI, BKI, KBTR, KMN, KMN, KMN, KIRR, KLY, KPT, ESO, AVH, AVH, KRX, KRX, KRY, KRY, KRM, KRM, PETK, PETK, MTRV, MTRV, GRG, ILAR, KURB, KURB, TXAR, TXAR.

IDC 11 18:21:21.1+2.1, 31.89S, 178.14W, h0km, mb4.0/2, mbtmp4.1/3, ML3.8/1, MS3.5/2, Error ellipse: s-maj=63.1km s-min=37.8km az=138.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ, URZ, URZ, MSVF, MSVF, DZM, DZM, ASAR, ASAR, WRA, WRA, FINES, FINES, HFS, HFS.

KRSC 11 18:52:46.0+0.8, 52.08N, 159.24E, h54km, 13km, ML3.8, IDC 11 18:52:48.2+4.4, 52.16N, 159.41E, h52km, 37km, mb3.4/6, mbtmp3.7/6, Error ellipse: s-maj=36.0km s-min=24.2km az=95.0

ISC 11 18:52:47.7+1.4, 52.08N, 159.26E, 0.08, h45km, 13km, n2=0.078/3/4, mb3.4/6, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RUS, RUS, MTRV, MTRV, KDR, KDR, GRL, GRL, DAL, DAL, PET, PET, KRM, KRM, INSR, INSR, NLC, NLC, MY, MY, AVH, AVH, KOK, KOK, KRX, KRX, PETK, PETK, PETK, PETK, APC, APC, SKR, SKR, ESO, ESO, NOA, NOA.

HFS Hagfors 150.68 348 PKPbc PKPbc 18 41 14.3 -0.1

TXAR Lajitas Array 71.51 66 P 19 04 04.0 +0.2

EKA Eskdalemuir Arr 71.96 350 P 19 04 05.5 -0.5

WRA Warramunga Arr 74.95 204 P 19 04 23.8 0.0

ASAR Alice Springs 78.63 204 P 19 04 45.0 +0.4

NEIC 11 18:54:08.8+2.2, 37.52N, 0.07-20.81E, 0.06, h13km, 6km, mb4.4/19, Error ellipse: s-maj=10.7km s-min=5.7km az=206.0

IDC 11 18:54:08.6+0.6, 37.72N, 20.96E, h0km, mb4.0/20, mbtmp3.9/32, ML3.3/9, MS3.7/5, Error ellipse: s-maj=14.4km s-min=11.4km az=174.0

NAO 11 18:54:09.4, 37.56N, 20.77E, h10km, mb4.4, THE 11 18:54:09.6, 37.67N, 20.93E, h0km, 2km, ML3.9/13, Error ellipse: s-maj=2.4km s-min=0.6km az=219.0

PDG 11 18:54:09.4, 0.8, 37.55N, 20.70E, h10km, 1km, ML4.4/13, Error ellipse: s-maj=1.2km s-min=1.2km az=90.0

MED_RC 11 18:54:09.0, 0.8, 37.56N, 20.77E, h15km, 2km, MW4.3/11, Moment Tensor Solution. Mantle waves: s1, c12; Duration: 1s0 Moment tensor: Scale 10^5Nm;

Mn-3.10z.75; Mn2.88z.48; Mn0.22z.39; Mn1.08z.44; Mn-1.1z.25; Mn-0.81z.37; Best double couple: M3.47000x1015 N1P2z.103.00000, 834.00000, lambda-102.00000. NP2z.297.00000, 856.00000, lambda-82.00000. Principal axes: T 3.5400, Plg11.0000, Azm21.0000; N -0.1400, Plg7.0000, Azm11.0000; P -3.4000, Plg77.0000, Azm232.0000; nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=35s. ATH 11 18:54:09.5, 37.64N, 20.87E, h15km, 1km, ML4.0/20 Error ellipse: s-maj=1.6km s-min=0.7km az=224.0 MLv4.2 Mw(m2)5.0

BE0 11 18:54:10.7, 0.9, 37.66N, 20.73E, h0km, ML3.5/5 ISC 11 18:54:09.9, 0.6, 37.68N, 20.02, 20.91E, 0.02, h12km, 3km, n253, 0.1975/314, mb4.2/30, 23C-7D, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data points.

Table with columns: TETR, Tetrakomo, Epi, 1.69 10 P, AML, Pbl, 18 54 40.8 -0.2. Lists seismic events with station codes and arrival times.

Table with columns: CRES, Cresnjevec Ost, 9.10 335 ePn, Pn, 18 56 19.9 -1.1. Lists seismic events with station codes and arrival times.

Table with columns: EKA, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like Eskdalemuir Ar, FINESS Array S, NORARS Subarra, etc.

ROM 11 18:54:59.4±0.1, 39.304N±0.005, 16.428E±0.006, h14km, 1km, ML0.7/9, Error ellipse: s-maj=0.5km s-min=0.4km az=142.0, Southern Italy

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like SP52 Spezzano della, SP52, SP52, etc.

IDC 11 18:59:57.6±53.0, 17.81S±179.77W, h0km, mb3.9/3, mbmt3.9/3, Error ellipse: s-maj=966.1km s-min=163.6km az=48.0, Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

MOS 11 19:03:35.4, 43.02N±47.21E, h5km, MPVA3.6 DRS 11 19:03:36.0, 43.02N±47.20E, h6km NORS 11 19:03:36.6, 42.92N±47.13E, h1km, MPVA3.6

ISC 11 19:03:37.2±0.9, 43.03N±0.03, 47.23E±0.02, h16km, 6km, n36, c1767/72, 3C-1D, Eastern Caucasus

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like BUJR Buynaksk, KANR Karaman, NORARS KANR, etc.

NEIC 11 19:04:58.7±2.2, 18.2S±0.1, 178.18W±0.06, h540km, 7km, mb4.7/34, Error ellipse: s-maj=17.2km s-min=6.5km az=200.0

NOU 11 19:04:59.1, 18.23S±178.14W, h541km, mb4.5/45, Fiji Islands Region

IDC 11 19:04:59.0±1.1, 18.24S±178.28W, h505km, 11km, mb3.6/13, mbmt4.5/15, Error ellipse: s-maj=17.6km s-min=10.7km az=102.0

ISC 11 19:04:59.5±0.4, 18.18S±0.06, 178.22W±0.06, h550km, n146, c1932/156, mb4.6/33, 3C-2D, Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like TAVE Taveuni, DGTI Dogotuki, MSVF Nonsavu, etc.

TOZ comp=2.30nm,1.0s IAMB IAMB 19 08 59.8

Table with columns: TOZ, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like TOZ Tahuroa Road, KMRZ Kaimai, URZ Urewera, etc.

SPU	Mount Spurr	23.37	57	P	P	19 38 43.3 +1.6
A21K	Barrow	23.37	30	P	P	19 38 41.5 -0.1
I21K	Tanana	23.45	47	P	P	19 38 43.4 +1.2
STLK	Strandline Lakes	23.45	56	P	P	19 38 44.3 +1.7
Q20K	Shuyak Island	23.50	63	P	P	19 38 43.9 +1.0
JMM	Marumori	23.53	234	P	P	19 38 46.7 +3.4
JMM	comp-Z,20nm,0.7s			IAMB		19 38 50.8
KDAK	Kodiak Island	23.55	65	P	P	19 38 43.2 -0.2
KDAK	Kodiak Island	23.55	65	P	P	19 38 44.5 +1.1
KDAK	Kodiak Island	23.55	65	P	P	19 38 43.2 -0.2
KDAK	comp-Z,60nm,1.5s					
A22K	Sinclair Lake	23.73	32	P	P	19 38 45.6 +0.6
BPAW	Bear Paw Mtn.	23.81	49	P	P	19 38 46.2 +0.4
D22K	Aiyikayk River	23.82	37	P	P	19 38 46.5 +0.6
G22K	Bettles	23.86	42	P	P	19 38 47.4 +1.2
E22K	Anaktuvuk Pass	23.96	39	P	P	19 38 48.3 +1.1
E22K	comp-Z,18nm,0.6s			IAMB		19 38 50.3
E22K	Anaktuvuk Pass	23.96	39	P	P	19 38 47.8 +0.5
B22K	Teshukpak Lake	23.99	34	P	P	19 38 48.1 +0.8
TRF	Thorofare Moun	24.11	51	P	P	19 38 49.1 +0.3
BRSE	Bradley Lake S	24.17	60	P	P	19 38 50.6 +1.5
COLD	Coldfoot	24.41	42	P	P	19 38 51.5 +0.2
G23K	Bananza Creek	24.41	43	P	P	19 38 52.1 +0.7
D23K	Nanushuk River	24.55	38	P	P	19 38 53.2 +0.7
I23K	Minto, Yukon-K	24.55	47	P	P	19 38 53.9 +1.3
I23K	Minto, Yukon-K	24.55	47	P	P	19 38 53.1 +0.5
NEA2	Nemana	24.66	48	P	P	19 38 54.2 +0.6
MCK	McKinley	24.71	50	P	P	19 38 55.0 +0.9
E23K	Chandler	24.76	40	P	P	19 38 55.5 +0.9
C23K	Ikilikil River	24.77	36	P	P	19 38 55.6 +1.1
TOLK	Toolik Lake Re	24.88	39	P	P	19 38 56.5 +1.0
TOLK	comp-Z,18nm,0.8s			IAMB		19 38 59.2
TOLK	Toolik Lake Re	24.88	39	P	P	19 38 56.5 +1.0
WAT1	Susitna Watana	24.92	52	P	P	19 38 56.6 +0.6
KNK	Knik Glacier	25.08	56	P	P	19 38 57.9 +0.5
SML	Sawmill	25.10	55	P	P	19 38 57.9 +0.3
E24K	Your Creek	25.18	40	P	P	19 38 59.1 +0.7
COLA	College	25.19	48	P	P	19 38 58.6 +0.3
PWL	Port Wells	25.20	57	P	P	19 38 59.7 +1.2
D24K	Happy Valley	25.24	37	P	P	19 38 59.8 +1.4
D24K	comp-Z,14nm,0.8s			IAMB		19 39 01.9
D24K	Happy Valley	25.24	37	P	P	19 38 59.3 +0.6
BNX	BinXian	25.27	264	P	P	19 39 00.4 +1.2
BNX	comp-Z,9.0nm,1.0s					
WAT6	Susitna Watana	25.31	53	P	P	19 39 00.8 +1.2
P24K	Squaw Lake	25.34	41	P	P	19 39 00.5 +1.0
F0K	Poker Flat Res	25.37	47	P	P	19 39 01.0 +1.0
M23K	Glacier View	25.38	55	P	P	19 39 01.1 +0.9
C24K	Franklin Bluff	25.39	36	P	P	19 39 01.5 +1.4
G24K	Hadweenzic Riv	25.42	43	P	P	19 39 01.9 +1.4
DHY	Denali Highway	25.44	52	P	P	19 39 01.8 +1.0
SCM	Sheep Creek Mo	25.57	55	P	P	19 39 03.0 +1.1
HDA	Harding Lake	25.58	49	P	P	19 39 03.2 +1.3
IL31	IL31	25.60	48	P	P	19 39 03.0 +1.0
IL31	comp-Z,14nm,0.8s			IAMB		19 39 04.2
ILAR	Eielson Array	25.60	48	P	P	19 39 02.9 +0.8
ILAR	comp-Z,9.1nm,0.7s,baz=262,slow=9.1,SNR=92					
MJB9	Matsu-Tunnel	25.81	236	P	P	19 39 07.1 +2.9
MAJO	Matsushiro	25.81	236	P	P	19 39 06.1 +1.8
MAJO	Matsushiro	25.81	236	P	P	19 39 05.1 +0.8
MAJO	comp-Z,5.0nm,0.5s					
MJAR	Matsushiro Arr	25.81	236	P	P	19 39 06.8 +2.5
MJAR	comp-Z,3.7nm,0.8s,baz=34,slow=6.9,SNR=11					
M24K	Tolson, Glenn	26.08	54	P	P	19 39 08.1 +1.6
M24K	Tolson, Glenn	26.08	54	P	P	19 39 07.2 +0.7
K24K	Donnelly Dome	26.11	50	P	P	19 39 07.8 +1.0
D25K	Kavik River	26.13	37	P	P	19 39 07.7 +0.8
PRP	Porcupine Dome	26.17	46	P	P	19 39 07.9 +0.5
F25K	Christian River	26.20	41	P	P	19 39 08.8 +1.2
E25K	Arctic Village	26.27	40	P	P	19 39 09.6 +1.4
E25K	comp-Z,8.5nm,0.7s			IAMB		19 39 10.7
E25K	Arctic Village	26.27	40	P	P	19 39 08.6 +0.4
PAX	Paxson	26.32	52	P	P	19 39 09.4 +0.7
HARP	HAARP	26.52	53	P	P	19 39 11.8 +1.4
RIDG	Independent Ri	26.53	50	P	P	19 39 11.0 +0.5
BMAR	Burnt Mountain	26.60	42	P	P	19 39 11.3 +0.2
C26K	Camden Bay	26.72	36	P	P	19 39 13.2 +1.1
F26K	Sheenjek River	26.78	41	P	P	19 39 13.6 +0.9
N25K	Chitina, Valde	26.89	55	P	P	19 39 14.8 +0.9
N25K	comp-Z,7.2nm,0.6s			IAMB		19 39 16.0
N25K	Chitina, Valde	26.89	55	P	P	19 39 14.7 +0.9
G26K	Porcupine Rive	26.89	43	P	P	19 39 14.7 +1.0
SCRK	Sand Creek	26.89	50	P	P	19 39 14.5 +0.6
JGF	Kuroka	26.98	236	P	P	19 39 16.2 +1.4
BRMR	Bremer River	26.99	56	P	P	19 39 15.5 +0.8
C27K	Jago River	27.10	37	P	P	19 39 16.4 +0.8
MENT	Mientasta	27.11	52	P	P	19 39 16.7 +0.9
L26K	Log Cabin Wild	27.27	52	P	P	19 39 18.0 +0.8
KAIM	Kayak Island	27.28	58	P	P	19 39 18.3 +1.1
INU	Inuyama	27.34	236	P	P	19 39 18.2 +0.2
G27K	Doyon Strip	27.73	43	P	P	19 39 22.5 +1.2
E27K	Coleen River	27.76	40	P	P	19 39 22.8 +1.3
BCAR	Beaver Creek A	27.97	51	P	P	19 39 25.3 +1.8
D27M	Malcolm River	28.03	38	P	P	19 39 25.1 +1.1
EGAK	Eagle	28.05	48	P	P	19 39 24.5 +0.4
EGAK	comp-Z,12nm,0.7s			IAMB		19 39 25.2

EGAK	Eagle	28.05	48	P	P	19 39 24.5 +0.4
F28M	Old Crow	28.41	41	P	P	19 39 28.5 +1.2
BVCY	Beaver Creek	28.50	52	P	P	19 39 28.6 +0.5
E28M	Babbage River	28.53	39	P	P	19 39 29.2 +0.8
YUK3	Moose Creek	28.80	54	P	P	19 39 32.1 +1.0
D28M	Stokes Point	28.83	38	P	P	19 39 31.6 +0.6
DAWY	Dawson	28.89	49	P	P	19 39 32.7 +1.0
E29M	Blow River	29.14	40	P	P	19 39 34.8 +1.1
G29M	Pine Creek	29.16	43	P	P	19 39 35.4 +1.4
YUK8	Steele Glacier	29.23	55	P	P	19 39 36.1 +1.1
PINM	Pinnacle	29.27	57	P	P	19 39 36.9 +1.8
EPYK	Eagle Plains	29.73	44	P	P	19 39 39.6 +0.6
YUK4	Talbot Arm	29.74	54	P	P	19 39 40.5 +1.2
G30M	Utooh Zraii Nji	29.86	43	P	P	19 39 41.4 +1.2
YUK6	Alotsh Mounta	29.97	55	P	P	19 39 42.5 +1.0
F30M	Barrier River	29.98	41	P	P	19 39 42.3 +1.2
HYT	Haines Junctio	30.41	55	P	P	19 39 46.3 +1.2
KS19	Wonju Array	30.41	251	P	P	19 39 43.5 -1.8
KS19	comp-Z,12nm,1.2s			IAMB		19 40 05.9
KSRS	Korea Array	30.41	250	P	P	19 39 44.9 -0.4
KSRS	comp-Z,3.0nm,0.8s,baz=43,slow=9.5,SNR=12					
G31M	Satah River	30.63	43	P	P	19 39 47.9 +1.0
G31M	comp-Z,1.6nm,1.4s			IAMB		19 39 48.1
G31M	Satah River	30.63	43	P	P	19 39 48.1 +1.2
INK	Inuvik	30.76	40	P	P	19 39 49.3 +1.2
F31M	Tsiigehtich	30.77	42	P	P	19 39 49.6 +1.5
P30M	Million Dollar	30.86	56	P	P	19 39 50.9 +1.9
N31M	Braeburn, Yuko	31.04	53	P	P	19 39 51.2 +0.6
O30N	Mendenhall	31.09	55	P	P	19 39 52.8 +1.7
O30N	Mendenhall	31.09	55	P	P	19 39 52.5 +1.4
M31M	Drury Creek, Y	31.49	52	P	P	19 39 56.8 +2.2
WHY	Whitehorse	31.69	55	P	P	19 39 58.7 +2.2
FARO	Faro, Yukon	31.96	51	P	P	19 40 00.7 +2.0
N32M	Quiet Lake	32.38	53	P	P	19 40 04.5 +2.0
P32M	Atlin	32.58	56	P	P	19 40 06.3 +2.2
R32K	Eaglecrest	32.64	59	P	P	19 40 06.7 +2.0
P33M	Teslin, Yukon	32.80	55	P	P	19 40 08.0 +1.8
A36M	Sachs Harbour	33.18	32	P	P	19 40 11.1 +1.9
C36M	Paulukuk	34.00	37	P	P	19 40 12.2 +1.9
S34M	Telegraph Cree	34.44	58	P	P	19 40 28.8 +2.5
DLBC	Dease Lake	34.78	57	P	P	19 40 26.3 +3.0
T35M	Bob Quinn	35.26	59	P	P	19 40 29.9 +2.5
ULN	Ulanbaatar	35.77	283	P	P	19 40 32.6 +0.5
ULN	comp-Z,2.0nm,1.0s					
SONM	Songino Array	36.16	284	P	P	19 40 37.4 +2.1
SONM	comp-Z,3.4nm,0.7s,baz=59,slow=7.8,SNR=20					
TOAD	Toad River Com	36.89	54	P	P	19 40 43.6 +2.2
KOTAN	Kotanelee Air	36.90	52	P	P	19 40 43.8 +2.4
TIA	Taian	37.34	260	P	P	19 40 46.5 +1.2
TIA	comp-Z,8.0nm,0.8s					
HHC	Hu-ho-hao-te	37.39	271	P	P	19 40 47.6 +1.7
HHC	comp-Z,7.0nm,1.0s					
HHC	Hu-ho-hao-te	37.39	271	P	P	19 40 47.6 +1.7
HNS	HongShan	37.89	264	P	P	19 40 52.0 +2.1
HNS	comp-Z,7.0nm,1.1s					
BTO	Baotou	38.44	271	P	P	19 40 57.2 +2.5
BTO	comp-Z,7.0nm,1.1s					
BTO	Baotou	38.44	271	P	P	19 41 09.4 -0.7
BTO	comp-Z,7.0nm,1.1s					
BTO	Baotou	38.44	271	P	P	19 41 14.9 +3.2
BTO	comp-Z,7.0nm,1.1s					
BTO	Baotou	38.44	271	P	P	19 42 29.3 +4.1
BTO	comp-Z,1.4nm,1.2s					
YKA	Yellowknife Ar	39.98	45	P	P	19 41 08.8 +1.7
YKA	comp-Z,2.2nm,0.6s,baz=293,slow=8.3,SNR=29					
LYN	LuoYang	41.18	263	P	P	19 41 20.3 +2.9
LYN	comp-Z,2.6nm,0.7s					
ZALV	Zalesovo Beam	44.11	303	P	P	19 41 41.5 +0.6
ZALV	comp-Z,0.6nm,0.5s,baz=112,slow=16,SNR=4.3					
LZH	Lanzhou	45.07	271	P	P	19 41 52.4 +3.4
LZH	comp-Z,0.6nm,0.5s					
LZH	Lanzhou	45.07	271	P	P	19 42 05.6 -0.5
LZH	comp-Z,0.6nm,0.5s					
GTA	Gaotai	45.11	278	P	P	19 41 51.7 +2.5
GTA	comp-Z,1.4nm,1.0s					
GTA	Gaotai	45.11	278	P	P	19 41 54.9 -5.2
GTA	comp-Z,1.4nm,1.0s					
SPITS	Spitsbergen Ar	45.81	351	P	P	19 41 55.6 +1.4
SPITS	comp-Z,2.7nm,1.1s,baz=7.6,slow=4.4,SNR=2.0					
WMQ	Urumqi	48.94	291	P	P	19 42 21.8 +2.8
WMQ	comp-Z,2.7nm,1.1s					
KURK	Kurchatov	49.10	303	P	P	19 42 21.3 +1.3
KURK	comp-Z,1.6nm,0.7s					
KURK	Kurchatov	49.10	303	P	P	19 42 21.9 +1.6
KURK	comp-Z,1.6nm,0.7s					
KURB8	Kurchatov Arra	49.20	303	P	P	19 42 22.1 +1.4
KURB8	comp-Z,9.6nm,0.7s,baz=56,slow=7.9,SNR=83					
BPMT	Black Pine Rid	49.73	64	P	P	19 42 26.4 +1.2
MK31	Makanchi Array	49.83	297	P	P	19 42 26.6 +1.0
MK31	comp-Z,2.2nm,1.1s,baz=7.6,slow=4.4,SNR=2.0					
MK31	Makanchi Array	49.83	297	P	P	19 42 27.1 +1.4
MK31	comp-Z,2.2nm,1.1s,baz=7.6,slow=4.4,SNR=2.0					
MKAR	Makanchi Array	49.83	297	P	P	1

11d 22h

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Includes stations like HPAA, MHA, HLK, IDC 11 21:24:19.0,0.6,21.65S:168.98E, etc.

2019 JAN

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Includes stations like MBWA Marble Bar, MEEK Meekatharra, NWAOW NWAOW, etc.

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Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time, Res. Includes stations like WTTA Wattenberg, MOTA Moosalm, SQTA Sanku Kiriri, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like FSK Fiskardo, ITM Ithomi, EVGI Lefkada island, etc.

NEIC 11 23:02:51.6, 1.5, 1.68S; 0.06:78.05W; 0.07, h146km, 7km, mb4.9/157, Error ellipse: s-maj=10.8km s-min=6.2km

RSNC 11 23:02:51.8, 0.2, 2.2 S; 2.7 8W, h158km, 3km, M4.3, mb4.7, mB5.1, ML3.8, Mw(m)B4.2, MwMwp4.6, MwP5.0

VAO 11 23:02:52.1, 0.8, 1.70S; 77.93W, h140km, mb4.3

IS 11 23:02:52.7, 0.5, 2.2 S; 3.7 8W, h143km, 3km, MLv3.9/31

ISC 11 23:02:52.1, 0.6, 1.73S; 0.04:78.16W; 0.04, h154km, 5km, n311, s1925/332, mb4.5/81, 27C-9D, Ecuador

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous stations including PUYO, BPAT, SANGA, BULB, etc.

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous stations including MCRA Macar, Loja, CRUC La Cruz, BBAC Balboa, etc.

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous stations including CRJC Cerrejon, JTS Las Juntas, ETMB Extrema, etc.

Table with columns: WB0, Warramunga Arr, 33.10 263, P, Iamb, P, 00 15 31.2 -1.3, 00 15 31.9

NEIC 12 00:14:18.5±1.0, 19.30N±0.08±155.42W±0.05, h32km±1.1km, Error ellipse: s-maj=13.3km s-min=4.0km az=156.0

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC

Table with columns: ALEP, Alea Permanent, 0.38 321, P, Pb, 00 14 26.9 -1.5, 00 14 27.3 -1.3

NNC 12 00:18:16.7±3.1, 39.22N±7.43E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=23.7km s-min=17.1km az=163.0

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC

HVO 12 00:14:19.4±1.4, 19.24N±0.06±155.39W±0.04, h30km±7km, ML2.5/34, ML2.6/42(NEIC), Error ellipse: s-maj=8.6km s-min=5.4km az=181.0, Hawaiian Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC

Table with columns: KPKS, Kokpek, 4.42 32, Pg, Pg, 00 19 42.5 -1.5, 00 20 39.8

NEIC 12 00:18:48.1±1.2, 20.3S±0.1±177.6W±0.1, h476km±9km, mb4.2/22, Error ellipse: s-maj=22.0km s-min=13.5km az=140.0

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC

QSPA 12 00:19:41.9±1.6, 2.86N±127.35E, h0km, mb3.7/6, mbmp3.8/6, Error ellipse: s-maj=11.7km s-min=18.6km az=70.0

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Op, ISC, Time, Res, h m s, ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRTR, GEM, MML1, MML2, NATI, HMDT, YTTIR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PTL, PTL, PTL, ANKY, ANKY, ANKY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URIC, URIC, MLC, MLC, JAMC, etc.

IDC 12 01:18:37.0±1.1, 37.32°N, 23.42°E, h0km, mb3.5/9, s-min=19.1km az=26.0, Error ellipse: s-maj=20.7km

IDC 12 01:25:42.2±59.0, 16.21°S, 174.35°W, h563km, 143km, mb3.5, mbtmp4.5/4, Error ellipse: s-maj=881.3km

IDC 12 02:37:34.0±1.9, 1.56°N, 127.10°E, h0km, mb3.7/3, mbtmp3.7/4, ML3.7/1, Error ellipse: s-maj=120.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRND, KRND, KRND, VLI, VLI, VLI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSVF, STKA, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, etc.

DJA 12 03:46:25.0±2.0, 3°N±8'×12°7'E±1', h39km, 55km, M3.2/3, ML3.2/3
 IDC 12 03:46:18.2±2.2, 2.82N-127.05E, h0km, mb3.4/3, mbtmp3.4/3, Error ellipse: s-maj=150.0km s-min=28.3km az=66.0, Northern Molouca Sea

Code	Station Name	Δ° AZ'	Phase ID	ISC	Op	h	m	s	ISC	Time Res
WRA	Warramunga Arr	23.73 163	P	P		03	51	31.8	-0.5	
ASAR	Alice Springs	27.16 166	P	P		03	52	03.9	+0.3	
MKAR	Makanchi Array	58.48 325	P	P		03	56	16.4	+0.2	

REN 12 04:14:42.4±0.7, 37°47'N±0.1°18'18"W±0.01, h4km, 3km, Error ellipse: s-maj=2.0km s-min=1.0km az=148.0
 NEIC 12 04:14:42.5±1.3, 37°47'N±0.02°18'18"W±0.02, h10km, 2km, Error ellipse: s-maj=3.1km s-min=3.0km az=358.0
 NCEDC 12 04:14:42.6±0.7, 37°47'N±0.006°18'32"W±0.02, h3km, 3km, ML3.3/3, ML2.9/3(NEIC), ML2.9/3(REN), Error ellipse: s-maj=2.5km s-min=0.9km az=80.0, California-Nevada border region

Code	Station Name	Δ° AZ'	Phase ID	ISC	Op	h	m	s	ISC	Time Res
MCMV	Convict Lake	0.12 356	P	Pg		04	14	45.3	+0.2	
MLAC	Mammoth, Mammoth	0.16 355	P	Pg		04	14	46.2	+0.5	
MLAC	Mammoth	0.16 355	P	Pg		04	14	46.2	+0.5	
MLCM	Laurel Creek C	0.16 331	P	Pg		04	14	46.1	+0.3	
MDRNC	Dore Ridge	0.16 355	P	Pg		04	14	46.4	+0.5	
MBCM	Case Benchmark	0.18 340	P	Pg		04	14	46.6	+0.4	
MBCM	Mammoth	0.18 340	P	Pg		04	14	46.6	+0.4	
MCSH	Casa Diablo Ho	0.19 339	P	Pg		04	14	46.9	+1.2	
MLHM	Little Hot Cre	0.20 1	P	Pg		04	14	46.9	+0.5	
MEMM	East Mammoth H	0.21 333	P	Pg		04	14	47.3	+0.5	
MLML	Mammoth Lakes	0.22 325	P	Pg		04	14	47.5	+0.5	
MLIM	Lincoln Peak	0.23 316	P	Pg		04	14	47.6	+0.5	
WRDM	Red Cones	0.23 303	P	Pg		04	14	47.5	+0.4	
MMSM	Mammoth Summit	0.23 319	P	Pg		04	14	47.6	+0.5	
MTUM	Tungsten Hills	0.24 121	P	Pg		04	14	47.5	+0.3	
MDYM	Dry Creek	0.24 320	P	Pg		04	14	47.9	+0.6	
MDPV	Devils Postpil	0.26 307	P	Pg		04	14	48.0	+0.3	
MDPB	Benton	0.31 39	P	Pg		04	14	51.6	+0.5	
BENR	Five Bridges	0.31 98	P	Pg		04	14	48.8	+0.1	
BHRP	Bishop	0.32 123	P	Pg		04	14	49.2	+0.7	
MRCM	Red Rock Canyon	0.32 51	P	Pg		04	14	49.1	+0.3	
MGNR	McGe Canyon	0.35 16	P	Pg		04	14	49.9	+0.4	
KCC	Kaiser Creek	0.43 249	P	Pg		04	14	51.0	+0.2	
KCC	Kaiser	0.43 249	P	Pg		04	14	51.0	+0.2	
POCCA	Poleta Canyon	0.44 104	P	Pg		04	14	51.4	+0.2	
TIN	Tinemaha, Big	0.63 132	P	Pg		04	14	54.9	+0.2	
TIN	Tin	0.63 132	P	Pg		04	14	54.9	+0.2	
DSP	Deep Springs	0.68 99	P	Pg		04	15	04.1	+1.3	
DSP	Deep Springs	0.68 99	P	Pg		04	15	04.8	+0.2	
DSP	Deep Springs	0.68 99	P	Pg		04	15	08.8		

LHV	Little Huttonoo	0.81 18	P	Pg		04	15	58.4	+0.1	
LHV	Little Huttonoo	0.81 18	P	Pg		04	15	59.6	+0.8	
LHV	Little Huttonoo	0.81 18	P	Pg		04	15	10.2		
FRI	Friant	0.86 236	P	Pg		04	15	58.8	-0.3	
LCH	Last Change Ra	0.97 104	P	Pg		04	15	07.7	-0.4	
LCH	Last Change Ra	0.97 104	P	Pg		04	15	13.6	0.0	
NV08	Mina Array Sit	1.01 23	P	Pg		04	15	01.7	-0.3	
KARE	Kearney REC, C	1.03 212	P	Pg		04	15	01.8	-0.6	
NV09	Mina Array Sit	1.03 22	P	Pg		04	15	02.2	-0.2	
NV11	Mina Array Sit	1.09 29	P	Pg		04	15	03.5	0.0	
NV11	Mina Array Sit	1.09 29	P	Pg		04	15	18.3	+0.6	
NV11	Mina Array Sit	1.09 29	P	Pg		04	15	18.6		

LEGD	La Grand CA	1.09 257	P	Pg		04	15	03.0	-0.5	
WAKR	Walker	1.14 335	P	Pg		04	15	04.4	-0.1	
MZP	Montezuma Peak	1.16 78	P	Pg		04	15	05.3	-0.2	
RYN	Ryan	1.18 11	P	Pg		04	15	07.2	0.2	
RYN	Ryan	1.18 11	P	Pg		04	15	20.7	+0.3	
RYN	Ryan	1.18 11	P	Pg		04	15	20.9	+0.3	
RYN	Ryan	1.18 11	P	Pg		04	15	20.9	+0.3	
CWC	Cottonwood Cre	1.19 150	P	Pg		04	15	04.8	-0.6	
VOG	Valley Oaks Go	1.24 202	P	Pg		04	15	06.0	-0.2	
GMN	Gold Mountain	1.25 97	P	Pg		04	15	06.3	-0.4	
GMN	Gold Mountain	1.25 97	P	Pg		04	15	23.4	-0.3	
GMN	Gold Mountain	1.25 97	P	Pg		04	15	25.1	-0.3	

GMN	Gold Mountain	1.25 97	P	Pg		04	15	28.6		
CMB	Columbia Colle	1.25 112	P	Pg		04	15	06.5	-0.1	
GRAC	Grapevine Rang	1.26 295	P	Pn		04	15	07.5	-1.1	
CMB	Columbia Colle	1.26 295	P	Pg		04	15	26.9		
SGV	South Grapevine	1.51 109	P	Pn		04	15	10.8	+0.1	
YERR	Yerington	1.54 348	P	Pn		04	15	11.4	+0.0	
PNTR	Pine Nut	1.73 339	P	Pb		04	15	14.9	+0.7	
WASM	Alta Sierra Ca	1.75 173	P	Pb		04	15	14.8	-0.6	
WNMM	Nine Mile Cany	1.79 155	P	Pb		04	15	15.4	-0.5	
ISA	Isabella, Lake	1.83 171	Pn	Pb		04	15	16.1	-0.6	
WORM	Onyx Ranch	1.83 165	Pb	Pb		04	15	16.2	-0.7	
COGA	Carvers	1.87 43	Pn	Pb		04	15	17.5	+0.1	
WCT	Wildcat Mounta	1.88 111	Pn	Pb		04	15	15.9	+0.2	
WCT	Wildcat Mounta	1.88 111	Pn	Pb		04	15	44.6		
WCT	Wildcat Mounta	1.88 111	Pn	Pb		04	15	46.2		
BBBG	Big Mountain B	1.99 244	Pn	Pn		04	15	18.2	+1.0	
PMPB	Monarch Peak	2.03 232	Pn	Pn		04	15	18.5	+0.8	
PMPB	Monarch Peak	2.03 232	Pn	Pn		04	15	52.5		
MPK	Martis Peak	2.05 333	Pg	Pg		04	15	21.4	-0.6	
MPK	Martis Peak	2.05 333	Pg	Pg		04	16	05.4		
MPK	Martis Peak	2.05 333	Pg	Pg		04	16	10.1		

SLM 12 04:27:05.2±0.8, 36°55'N±0.010°89°61'W±0.02, h12km, 2km, Error ellipse: s-maj=2.0km s-min=1.4km az=104.0
 NEIC 12 04:27:06.0±0.8, 36°56'N±0.01°89°61'W±0.008, h10km, 1km, mb_Lg2.9/59, ML3.4/32, Md2.9/69(SLM), Error ellipse: s-maj=2.5km s-min=1.8km az=289.0, New Madrid region, Missouri

Code	Station Name	Δ° AZ'	Phase ID	ISC	Op	h	m	s	ISC	Time Res
NMEM	New Madrid Sch	0.03 57	P	Pg		04	27	09.8	+1.8	
MARMO	Marston	0.05 237	P	Pg		04	27	07.8	-0.2	
MARMO	Marston	0.05 237	P	Pg		04	27	09.8	+0.4	
NMEM	New Madrid	0.06 60	P	Pg		04	27	09.9	-0.2	
NMNO	New Madrid	0.06 60	P	Pg		04	27	10.1	+0.5	
WALK	Watson Lake	0.06 109	P	Pg		04	27	07.8	-0.3	
WALK	Watson Lake	0.06 109	P	Pg		04	27	09.8	+0.2	
PENMO	Penman	0.11 186	P	Pg		04	27	08.2	-0.4	
PENMO	Penman	0.11 186	P	Pg		04	27	10.7	+0.1	
SJMO	Saint John's B	0.13 58	P	Pg		04	27	08.8	-0.2	
SJMO	Saint John's B	0.13 58	P	Pg		04	27	11.7	+0.5	
PGVM	Portageville	0.14 223	P	Pg		04	27	08.7	-0.3	
PGVM	Portageville	0.14 223	P	Pg		04	27	11.4	+0.2	
KEWM	Kewanee	0.14 7	P	Pg		04	27	09.0	-0.1	
KEWM	Kewanee	0.14 7	P	Pg		04	27	11.9	+0.5	
PARMO	Parma	0.15 313	P	Pg		04	27	09.3	-0.1	
PARMO	Parma	0.15 313	P	Pg		04	27	12.3	+0.6	
PARMO	Parma	0.15 313	P	Pg		04	27	12.5		

POBM	Portage Bay	0.15 195	P	Pg		04	27	08.9	-0.5	
POBM	Portage Bay	0.15 195	P	Pg		04	27	11.8	+0.1	
PPLM	Point Pleasant	0.16 171	P	Pg		04	27	08.9	-0.5	
PPLM	Point Pleasant	0.16 171	P	Pg		04	27	12.1	+0.3	
PVMO	Portageville	0.16 206	P	Pg		04	27	09.0	-0.4	
PVMO	Portageville	0.16 206	P	Pg		04	27	12.0	+0.0	
COKM	Charter Oak	0.18 329	P	Pg		04	27	09.7	-0.1	
COKM	Charter Oak	0.18 329	P	Pg		04	27	13.0	+0.7	
HENM	Henderson Moun	0.19 36	P	Pg		04	27	09.8	-0.2	
HENM	Henderson Moun	0.19 36	P	Pg		04	27	13.3	+0.5	
MATM	Mathews	0.21 2	P	Pg		04	27	10.3	-0.2	
TOPM	Tallapoosa	0.22 262	P	Pg		04	27	11.9	+0.5	
WYBT	Wynnborg	0.23 156	P	Pg		04	27	10.2	-0.5	
WYBT	Wynnborg	0.23 156	P	Pg		04	27	14.2	+0.3	
WADM	Wardell	0.24 217	P	Pg		04	27	10.5	-0.4	
WADM	Wardell	0.24 217	P	Pg		04	27	14.4	+0.2	
DWDM	Dogwood	0.26 22	P	Pg		04	27	10.9	-0.2	
DWDM	Dogwood	0.26 22	P	Pg		04	27	14.6	+0.5	
EPRM	East Prairie	0.26 52	P	Pg		04	27	10.8	-0.4	
EPRM	East Prairie	0.26 52	P	Pg		04	27	15.1	+0.4	
FLPT	Filippin	0.28 122	P	Pg		04	27	11.1	-0.5	
FLPT	Filippin	0.28 122	P	Pg		04	27	15.5	+0.0	
HICK	Hickman	0.31 93	P	Pg		04	27	11.6	-0.6	
HICK	Hickman	0.31 93	P	Pg		04	27	14.5	-0.1	

BRNM	Bernie	0.35 298	P	Pg		04	27	12.6	-0.4	
CHRM	Charleston	0.35 35	P	Pg		04	27	12.5	-0.5	
CHRM	Charleston	0.35 35	P	Pg		04	27	15.9	+0.1	
BETH	Bethany	0.36 279	P	Pg		04	27	12.7	-0.5	
BETH	Bethany	0.36 279	P	Pg		04	27	18.1	+0.1	
BETH	Bethany	0.36 279	P	Pg		04	27	18.1	+0.1	
GUAM	Guam	0.38 331	P	Pg		04	27	13.0	-0.4	
GLAT	Glass	0.39 138	P	Pg		04	27	13.1	-0.6	
GLAT	Glass	0.39 138	P	Pg		04	27	19.0		

GLAT	Glass	0.39 138	P	Pg		04	27	18.9	+0.1	
MIST	Miston	0.40 167	P	Pg		04	27	13.1	-0.7	
BRGM	Braggadocio	0.41 209	P	Pg		04				

Table with columns: Station, Frequency, Mode, Power, and Signal. Includes stations like FRU1 Bishkek, TKM2 Tokmak 2, EKS2 Erkin-Say, CHMS Chumysh, etc.

Table with columns: Station, Frequency, Mode, Power, and Signal. Includes stations like ZHN Zhinshke, ZHN Zhinshke, ZHN Zhinshke, etc.

Table with columns: Station, Frequency, Mode, Power, and Signal. Includes stations like JOSI, JOSI, WMQ Urumqi, WMQ Urumqi, etc.

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNR+5, SNR-4.3).

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNR+5, SNR-4.3).

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNR+5, SNR-4.3).

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like PLOK Plostina, IGIN Ignalina, NEHR Nehou, etc.

2019 JAN

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like VAY Vlandovo, BOVS Bovan, OJC Ojcow, etc.

12d 4h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like GOPC GO Pecny, A050A Klekavaca, ARSA Arzberg, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes stations like GRFO Grafenberg, CIMO Cimolais, SKAR Skarsia, CEL Celeste, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes stations like NEEM North Greenlan, ESBB Sonseca Array, SUMG Summit, TAM Tamnassret, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes stations like SOEI Soe, VOI Vohitsoka, C27K Jago River, TORO Torodi Ar. Bea, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like NVAR Mina Array Bea, DZM Mt Dzumac, ROSC El Rozal, etc.

IDC 12 04:51:26.9:15.0, 6:19Sx129:96E, h128km, 163km, mb3.5/1, mbtmp3.7/4, ML3.7/3, Error ellipse: s-maj=97.1km s-min=56.4km az=34.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Code Station Name, FAKI Fak Fak, DRS Darwin Rock St, etc.

IDC 12 05:00:57.5:18.0, 36:69N;69:95E, h268km, 169km, mb3.1/5, mbtmp3.6/8, Error ellipse: s-maj=110.9km s-min=57.2km az=35.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, etc.

IDC 12 05:01:42.9:0.9, 26:69N;176:51W, h0km, mb4.0/8, mbtmp4.1/9, ML4.9/1, MS3.8/5, Error ellipse: s-maj=33.1km s-min=22.3km az=116.0

NEIC 12 05:01:43.9:1.9, 26:70N;176:2W, 0.2, h10km, 1km, mb4.5/12, Error ellipse: s-maj=28.4km s-min=12.9km az=122.0

IDC 12 05:01:47.7:0.8, 26:73S;0:09:176:5W, 0.2, h29km, n34, 0:591/28, mb4.3/12, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RAO Raoul Island, NIUE Nonsavu, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MJAR Matsushiro Arr, KSRS Korea Array, TXAR Lajitas Array, etc.

KRNET 12 05:03:50.9:0.1, 39:29N;75:53E, mb2.5, 24C-6D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Sufi-Kurgan, SALK Salom-Alik, OHH Osh, etc.

IDC 12 05:09:33.0:1.1, 26:69S;176:54W, h0km, mb3.9/5, mbtmp3.9/6, ML4.7/1, Error ellipse: s-maj=35.3km s-min=23.6km az=106.0

IDC 12 05:09:37.2:1.0, 26:75S;0:17:176:5W, 0.2, h29km, n10, 0:546/11, mb4.0/5, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RAO Raoul Island, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 12 05:18:22.1:0.9, 34:29N;78:15E, h0km, mb3.6/11, mbtmp3.5/15, ML2.9/4, Error ellipse: s-maj=26.8km s-min=15.5km az=53.0

IDC 12 05:18:27.4:0.9, 34:33N;0:09:78:3E, 0.1, h35km, n15, 0:513/17, mb3.7/10, Kashmir-Xizang border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

INMG 12 05:33:35.5:1.2, 35:94N;10:28W, h61km, 12km, ML2.6, Error ellipse: s-maj=4.8km s-min=3.5km az=94.0

DIST_RANGE: REGION #PMA_REGION: Mar de Marrocos

IGL 12 05:33:35.5:35:96N;10:32W, h32km, ML2.4 ISC 12 05:33:30.6:1.8, 35:93N;0:03:10:21W, 0.07, h16km, 12km, n81, 1:989/127.8C-1D, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Code Station Name, PSVI Cabo S. Vicent, PFVI Vila Bisbo, etc.

12d 6h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like Coimbra, Ifrane, Manteigas, LCRM, etc.

Summary text for the 12d 6h section, including coordinates and error ellipse information: NNC 12 05:40:51.6±2.9, 39°26'N; 75°55'E, h0km, mb4.6, mpv4.2...

Summary text for the 12d 6h section, including coordinates and error ellipse information: KRNET 12 05:40:52.1±0.1, 39°62'N; 75°58'E, mb4.0...

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like Kashi, Sufi-Kurgan, Salk, etc.

2019 JAN

Main table for 2019 JAN observations, listing station codes (KST, CHMS, CHMS, etc.), station names, and various technical parameters.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like BTLS, BTL, MAKZ, etc.

Summary text for the 670 section, including coordinates and error ellipse information: IDC 12 05:54:36.5±2.3, 4°43'N-122°58'E, h0km, mb3.3/3...

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like WRA, ASAR, MKAR, etc.

Summary text for the 670 section, including coordinates and error ellipse information: RSPR 12 05:58:02.4, 19°03'N-66°60'W, h74km±14km, MD2.6/4, 4C...

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like ECP, CELP, etc.

Summary text for the 670 section, including coordinates and error ellipse information: SJA 12 06:01:12.2±0.6, 26°30'S; 70°63'W, h60km, ML4.0, MW3.9...

Summary text for the 670 section, including coordinates and error ellipse information: IDC 12 06:01:14.8±0.7, 26°21'S; 70°21'W, h60km, 5km, mb3.5/4...

Summary text for the 670 section, including coordinates and error ellipse information: ISC 12 06:01:13.7±0.6, 26°29'S; 0°04'W; 70°67'W; 0.07, h65km, 5km...

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like AC01, GO02, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mina Guanaco, IPOC Station P, and various other codes.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FAK Fak Fak, WARRAMUNGA ARR, and various other codes.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WHZH Waihua, WHZH Waihua, and various other codes.

Table with columns for station code, name, time, and other details. Includes stations like ATKA Atka Island, ELIB Princess Elisa, ASAJ Asahikawa, etc.

Table with columns for station code, name, time, and other details. Includes stations like ATAH Athaaluha, XAN Xian, XAN Xian, etc.

Table with columns for station code, name, time, and other details. Includes stations like FAKI Fak Fak, FAKI Fak Fak, KMPI Kaimama, Papua, etc.

DJA 12 06:04:02.7: 0.2 6'S:3.3:13'1E", h65km, 9km, M4, 8/16, mb4.7/16, mB5.2/9, MLV5.0/14, Mw(MB)4.6/9
NEIC 12 06:04:02.2: 1.2 5.53S: 0.07: 131.4E: 0.1, h69km, 3km, mb4.6/26, Error ellipse: s-maj=16.0km s-min=9.5km
IDC 12 06:04:04.0: 0.8 5.59S: 131.29E, h88km, 6km, mb4.2/15, mbtm4.6/19, MS3.1/1, Error ellipse: s-maj=21.1km s-min=12.6km az=70.0
ISC 12 06:04:01.9: 0.4 5.64S: 0.04: 131.33E: 0.05, h67km, 4km, h68km: pP, n123, c1f63/128, mb4.7/35, 1C-1D, Banda Sea

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like VNA2 Neumayer-Watz, LZH Lanzhou, SONMG Songino Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RETA Reutte, WTTA Wattenberg, MYKA Terra Mystica, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SRNI Kalpa, BHGR Bahadurgarh, NDI New Delhi, etc.

KSL	comp=E,6.1nm,0.5s	AML	AML	07 23 42.1	
KSL	comp=E,11nm,0.7s	AML	AML	07 23 42.3	
CAME	0.72 36	Pg	Pg	07 23 22.7 -0.5	
CAME	0.80 53	Sg	Sg	07 23 32.9 +0.3	
KNIK		P	Pb	07 23 24.9 -0.8	
KNIK		S	Sb	07 23 37.3 +0.5	
KNIK	comp=E,3um,0.8s	i	AML	07 23 38.0	
KNIK		i	AML	07 23 38.0	
YER	comp=E,2um,0.9s	0.86 333	Pg	07 23 24.7 -1.3	
YER	0.88 30	P	Pg	07 23 25.5 -0.7	
CAEL		S	Sg	07 23 38.2 +0.6	
CAEL		i	AML	07 23 47.0	
CAEL	comp=E,4um,0.7s	i	AML	07 23 53.0	
DEMRA	comp=E,4um,0.5s	0.92 98	Pg	07 23 29.1 +0.4	
MUGLA	0.96 338	P	Pn	07 23 26.7 -1.1	
MUGLA		i	AML	07 23 42.0	
MUGLA	comp=E,2um,0.7s	i	AML	07 23 51.0	
MUGLA	comp=E,940nm,0.8s	0.99 67	Pg	07 23 28.3 -0.6	
ELL	0.99 67	P	Pg	07 23 27.7 -0.6	
ELL		i	AML	07 23 52.1	
ELL	comp=E,40nm,0.5s		AML	07 23 53.9	
ELL	comp=E,25nm,0.5s		AML	07 23 53.9	
DAT	1.03 291	Pg	Pg	07 23 28.8 -0.3	
DAT	1.03 291	P	Pg	07 23 28.5 -0.6	
DAT		S	Sb	07 23 43.9 +0.6	
DAT		i	AML	07 23 49.0	
DAT	comp=E,3um,1.0s		AML	07 23 50.0	
TAV	comp=E,2um,0.5s	1.11 6	P	07 23 29.3 -1.3	
TAV	0.96 338	P	Pn	07 23 55.0	
TAV		i	AML	07 23 55.0	
TAV	comp=E,1um,0.5s		AML	07 23 56.0	
TAV	comp=E,889nm,0.5s		AML	07 23 56.0	
AKUM	1.19 21	Pn	Pg	07 23 31.2 -0.9	
AKUM	1.27 91	P	Pn	07 23 34.7 +1.2	
AKUM		i	AML	07 24 04.0	
AKUM	comp=E,2um,0.6s		AML	07 24 04.0	
AKUM	comp=E,1um,0.5s		AML	07 24 04.0	
AKUM	1.28 10	P	Pn	07 23 32.6 -1.1	
AKUM		S	Sb	07 23 49.5 -0.9	
AKUM		i	AML	07 23 54.0	
AKUM	comp=E,5um,0.5s		AML	07 23 55.0	
AKUM	comp=E,7um,0.3s		AML	07 23 55.0	
NISR	1.35 281	P	Pg	07 23 35.6 +0.4	
NISR	1.35 281	P	Pn	07 23 32.0 -2.5	
NISR		i	AML	07 24 03.1	
NISR	comp=N,3184um,0.7s		AML	07 24 08.1	
NISR	comp=E,6661um,0.7s		AML	07 23 34.9 +0.1	
BOED	1.42 63	Pn	Pn	07 23 37.1 +0.6	
BOED	1.46 80	P	Pg	07 23 45.9 +1.3	
BOED		S	Sb	07 23 36.1 -0.2	
BOED		S	Sb	07 23 54.3 -1.4	
BOED		i	AML	07 24 00.0	
BOED	comp=E,1um,0.9s		AML	07 24 01.0	
BOED	comp=E,974nm,0.7s		AML	07 24 01.0	
BOED	1.49 25	P	Pn	07 23 36.9 +0.3	
BOED		S	Sb	07 23 56.5 +0.1	
BOED		i	AML	07 24 00.0	
BOED	comp=E,2um,0.6s		AML	07 24 04.0	
BOED	comp=E,1um,0.5s		AML	07 23 39.5 +0.6	
BOED	1.54 239	Pn	Pg	07 23 38.6 -0.3	
BOED	1.54 239	P	Pg	07 23 38.6 -0.3	
BOED		S	Sb	07 24 01.1 +2.3	
BOED	comp=E,4um,0.8s		AML	07 23 37.3 -0.9	
BOED		S	Sb	07 23 54.4 -0.6	
BOED		i	AML	07 24 05.2	
BOED	comp=N,6820um,0.6s		AML	07 24 09.4	
BOED	comp=E,7574um,0.9s		AML	07 24 09.4	
BOED	1.54 239	P	Pg	07 23 38.6 -0.3	
BOED		S	Sb	07 23 37.7 +2.9	
BOED		i	AML	07 24 04.8	
BOED	comp=E,6.8nm,0.6s		AML	07 24 09.0	
BOED	comp=E,7.5nm,0.9s		AML	07 23 40.3 +0.2	
BOED	1.60 70	Pn	Pg	07 23 38.6 -0.1	
BOED	1.73 336	Pn	Pn	07 23 40.1 +0.2	
BOED	1.82 318	Pn	Pn	07 23 41.2 +0.2	
BOED	1.82 318	Pn	Pb	07 23 42.9 -0.1	
BOED	1.86 333	Pn	Pb	07 23 42.1 +0.4	
BOED	2.02 43	Pn	Pn	07 23 45.2 +1.2	
BOED	2.02 43	P	Pn	07 23 38.8 -5.1	
BOED	2.05 311	P	Pn	07 23 43.8 -0.4	
BOED		S	Sb	07 24 10.2 +0.1	
BOED	comp=E,2um,0.5s		AML	07 23 42.7 -1.5	
BOED	2.05 311	P	Pn	07 24 14.7	
BOED		i	AML	07 24 15.1	
BOED	comp=N,3579um,0.6s		AML	07 24 15.1	
BOED	comp=E,3900um,0.4s		AML	07 23 45.2 -0.5	
BOED	2.15 358	Pn	Pn	07 23 51.1 -2.1	
BOED	2.42 240	Pb	Pb	07 24 36.0	
BOED		i	AML	07 24 37.2	
BOED	comp=E,2722um,0.7s		AML	07 24 37.2	
BOED	comp=N,1011um,0.7s		AML	07 23 52.8 +0.9	
BOED	2.60 32	Pn	Pn	07 23 53.7 +0.5	
BOED	2.70 286	P	Pn	07 23 49.5 -3.6	
BOED	2.70 286	P	Pn	07 24 23.8 -2.3	
BOED	3.19 114	P	Pn	07 24 00.5 +0.5	
BOED		i	AML	07 24 45.1	
BOED	comp=N,0.6nm,0.5s		AML	07 24 48.2	
BOED	comp=N,0.5nm,0.4s		AML	07 24 03.4 +1.5	
BOED	3.33 252	P	Pn	07 24 44.3 +2.5	
BOED		S	Sb	07 24 04.4 +0.5	
BOED	3.48 116	P	Pn	07 24 04.4 +0.5	
BOED		i	AML	07 25 42.1	
BOED	comp=N,1.3nm,1.0s		AML	07 25 42.1	
BOED	comp=N,1.2nm,1.2s		AML	07 24 06.2 +0.2	
BOED	3.62 112	P	Pn	07 24 53.3 -4.7	
BOED		S	Sb	07 25 40.5	
BOED	comp=N,0.2nm,0.8s		AML	07 25 44.8	
BOED	comp=N,0.2nm,1.0s		AML	07 24 07.9 +0.5	
BOED	3.74 116	P	Pn	07 25 37.9	
BOED		i	AML	07 25 41.2	
BOED	comp=N,0.3nm,1.1s		AML	07 25 41.2 +0.8	
BOED	3.97 109	P	Pn	07 25 38.3	
BOED		i	AML	07 25 51.1	
BOED	comp=N,0.2nm,1.0s		AML	07 24 08.3 -2.3	
BOED	3.97 109	P	Pn	07 24 55.1 -2.2	
BOED	3.97 112	P	Pn	07 24 11.4 +0.7	
BOED		i	AML	07 25 38.9	
BOED	comp=N,0.3nm,1.2s		AML	07 25 42.9	
BOED	comp=N,0.2nm,1.0s		AML	07 24 14.5 +1.0	
BOED	4.18 107	P	Pn	07 25 06.1 +3.6	
BOED		S	Sb	07 25 53.3	
BOED		i	AML	07 25 58.8	
BOED	comp=N,0.1nm,0.8s		AML	07 24 24.0 +2.9	
BOED	4.72 41	P	Pn	07 24 26.0 +2.2	
BOED	4.92 54	P	Pn	07 24 27.2 +0.9	
BOED		i	AML	07 24 27.2 +0.9	
BOED	comp=N,2.6nm,0.3s,baz=220,slow=15,SNR=53				

BRTR	comp=N,9.7nm,0.9s,baz=246,slow=28,SNR=7.3	S	Sn	07 25 25.7 +0.2	
HNTI	6.20 120	P	Pn	07 24 39.3 -2.0	
HNTI	6.51 116	P	Pn	07 25 01.7 -1.1	
HNTI	6.22 107	eP	Pn	07 24 42.0 +0.4	
BEIL	6.32 105	eP	Pn	07 24 43.0 +0.1	
OFRI	6.34 124	P	Pn	07 24 41.1 -2.2	
OFRI	6.34 124	S	Sn	07 25 54.7 -1.3	
MMAI	6.40 120	P	Sn	07 24 42.2 -2.0	
MMAI	6.40 120	S	Sn	07 25 55.9 -1.6	
MMAI	6.40 120	P	Sn	07 24 44.1 0.0	
MMAI	comp=N,15nm,0.3s,baz=306,slow=12,SNR=40	S	Sn	07 25 55.5 -2.0	
RCY	6.47 114	eP	Pn	07 24 44.5 -0.6	
GEM	6.48 117	P	Pn	07 24 42.3 -2.8	
GEM	6.48 117	S	Sn	07 25 57.9 -1.5	
NATI	6.51 116	P	Sn	07 24 43.2 -2.2	
NATI	6.51 116	S	Sn	07 25 58.9 -0.1	
FKH	6.59 106	eP	Pn	07 24 46.9 +0.1	
KSHT	6.71 118	P	Pn	07 24 46.1 -2.2	
KSHT	6.71 118	S	Pn	07 26 04.4 -0.6	
MMLI	6.75 124	P	Pn	07 24 46.3 -2.5	
MMLI	6.75 124	S	Sn	07 25 01.7 -1.3	
SALP	6.83 127	P	Pn	07 24 48.1 -1.8	
SALP	6.83 127	S	Sn	07 26 07.7 -0.2	
ELND	6.93 124	P	Pn	07 24 51.8 +0.6	
HMDT	6.93 124	P	Pn	07 24 48.6 -2.7	
HMDT	6.93 124	S	Sn	07 26 09.7 -0.7	
AMAZ	7.02 132	P	Sn	07 25 51.3 -1.2	
AMAZ	7.02 132	S	Sn	07 26 11.7 +0.9	
KZIT	7.18 138	P	Pn	07 24 53.6 -1.2	
KZIT	7.18 138	S	Sn	07 26 15.9 -0.7	
YTR	7.26 132	P	Pn	07 24 53.4 -1.5	
YTR	7.26 132	S	Pn	07 25 57.6 -2.5	
DSI	7.28 129	P	Pn	07 24 54.6 -2.5	
DSI	7.28 129	S	Sn	07 26 18.2 -0.8	
MDBI	7.44 131	P	Pn	07 24 55.6 -2.7	
MDBI	7.44 131	S	Sn	07 26 21.7 -1.2	
MSBI	7.44 131	P	Pn	07 24 56.1 -2.2	
MSBI	7.44 131	S	Sn	07 26 24.9 -0.7	
ZFRI	7.88 135	P	Pn	07 25 01.6 -2.8	
ZFRI	7.88 135	S	Sn	07 26 32.7 -1.2	
ASF	7.92 120	P	Pn	07 25 05.1 +0.2	
ASF	comp=N,1.1nm,0.3s,baz=114,slow=0.9,SNR=6.8	LR	LR	07 29 20.3	
PRNI	7.94 137	P	Pn	07 25 03.3 -2.0	
PRNI	7.94 137	S	Pn	07 26 34.4 -1.0	
KRMI	7.98 140	P	Pn	07 25 04.2 -2.1	
KRMI	7.98 140	S	Sn	07 26 35.6 -0.6	
TIRR	8.09 358	P	Pn	07 25 08.2 +1.0	
HRFI	8.21 138	P	Pn	07 25 07.4 -1.5	
HRFI	8.21 138	S	Sn	07 26 40.7 -1.1	
MBRI	8.33 140	P	Pn	07 25 08.9 -1.8	
MBRI	8.33 140	S	Sn	07 26 44.2 -0.8	
HARR	8.34 356	P	Pn	07 25 12.7 +2.0	
EIL	8.45 140	P	Pn	07 25 11.7 -0.5	
EIL	comp=N,5.1nm,0.3s,baz=328,slow=4.6,SNR=37	S	Sn	07 26 42.1 -5.7	
EIL	comp=N,22nm,0.4s,baz=87,slow=15,SNR=9.3				
EIL	comp=N,15nm,0.5s				
EIL	8.45 140	P	Pn	07 25 09.9 -2.3	
EIL	8.45 140	S	Pn	07 26 47.7 -0.1	
CFR	8.82 357	P	Pn	07 25 17.9 +2.1	
BOVS	9.06 325	P	Pn	07 25 21.6 +1.1	
MLR	9.37 348				

2d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like USP, TKM2, etc.

IPCC 12 08:58:25.6:0.51:56N:16:17E, h1km, ML3.4/6, Error ellipse: s-maj=2.6km s-min=1.2km az=60.0
DNK 12 08:58:25.1:2.4:51:55N:16:31E, h0km, ML3.0
NEIC 12 08:58:25.6:1.9:51:55N:0:06:16:11E:0:09, h1km, 2km, ML3.7/23, Error ellipse: s-maj=1.0km s-min=8.7km

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers.

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Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers.

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Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers.

IDC 12 09:13:32.7:4.3:14:48S:176:05W, h387km, 34km, mb3.3/4, mbtm4.0/5, Error ellipse: s-maj=135.6km s-min=25.6km az=138.0, Fiji Islands region

WRA	Warramunga Arr	47.57 256	P	P	09 21 31.5	0.0
1.1nm,0.4s,baz=97,slow=12,SNR=4.0 1.1nm,0.4s						
ASAR	Alice Springs	47.97 251	P	P	09 21 34.5	-0.1
0.5nm,0.4s,baz=91,slow=7.9,SNR=9.9 0.5nm,0.4s						
ILAR	Eilsdon Array	82.07 12	P	P	09 25 10.3	-0.2
0.4nm,0.6s,baz=221,slow=5.8,SNR=11 0.4nm,0.6s						
BRTR	Keskin Array B	143.32 300	PKP	PKPdf	09 32 22.9	0.0
1.9nm,0.8s,baz=93,slow=4.3,SNR=9.3						

NNC 12 09:24:04.9:2.6,44.90N:82.99E,h0km,mb2.9,mpv2.7,
Error ellipse: s-maj=21.5km s-min=16.7km az=169.0
SOME 12 09:23:55.0,44.33N:82.48E,h25km,2C-2D,Northern
Xinjiaang

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	
				h m s	ISC	
DJR	Jarkent	1.93 271	Op	09 24 30.5	+0.9	
5.0nm,0.3s						
DJR	Jarkent		Lg	09 24 56.9		
13nm,0.2s						
DJR	Jarkent	1.93 271	eP	09 24 36.0	+1.0	
1.4nm,0.1s						
DJR	Jarkent		eS	09 24 57.0	+3.7	
13nm,0.2s						
KNOS	Knyrien	2.37 272	Pg	09 24 38.0	+1.0	
0.3nm,0.3s,baz=165,slow=16,SNR=27						
MK31	Makanchi Array	2.46 357	Op	09 24 39.4	+0.8	
2.2nm,0.4s,baz=165,slow=30						
MAKZ	Makanchi	2.50 352	Op	09 24 40.4	+1.2	
0.2nm,0.6s						
MAKZ	Makanchi		Op	09 25 08.3		
1.8nm,0.6s						
UZB	Uzynbulak	2.77 246	eP	09 24 44.0	0.0	
2.2nm,0.1s						
UZB	Uzynbulak		eS	09 25 19.7	+2.1	
3.1nm,0.2s						
KPKS	Kokpek	2.88 254	Pg	09 24 43.4	-2.3	
2.2nm,0.3s						
KPKS	Kokpek	2.88 254	eP	09 24 46.2	+0.5	
0.8nm,0.2s						
KPKS	Kokpek		eS	09 25 22.9	+2.4	
22nm,0.4s						
BLB	Baldybastay	2.89 267	Pg	09 24 46.7	+0.8	
2.7nm,0.1s						
BLB	Baldybastay		Lg	09 25 24.8		
6.4nm,0.3s						
ZHN	Zhinishke	3.16 250	eP	09 24 50.3	-0.2	
4.4nm,0.1s						
ZHN	Zhinishke		eS	09 25 30.2	+1.7	
7.7nm,0.2s						
ARXS	Arharly	3.35 270	eP	09 24 54.5	+0.8	
0.5nm,0.1s						
ARXS	Arharly		eS	09 25 38.0	+4.1	
2.4nm,0.2s						

IDC 12 09:32:05.0:2.8,45.90N:27.78W,h0km,mb3.6/3,
mbmp3.5/4,ML4.2/1, Error ellipse: s-maj=79.7km
s-min=39.2km az=67.0, Northern Mid-Atlantic Ridge

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	
				h m s	ISC	
ESDC	Sonseca Array	18.52 101	Op	09 36 22.4	-0.4	
0.2nm,0.3s,baz=295,slow=13,SNR=4.5 0.4nm,0.3s						
TORD	Tordi Arr	41.06 133	P	09 39 50.5	+0.2	
0.6nm,0.7s,baz=338,slow=9.4,SNR=3.6 0.6nm,0.7s						
KURBB	Kurchatov Arra	64.73 43	P	09 42 44.6	-0.1	
0.4nm,0.6s,baz=312,slow=7.0,SNR=3.3 0.4nm,0.6s						
MKAR	Makanchi Array	69.18 44	P	09 43 13.4	+0.3	
0.4nm,0.7s,baz=324,slow=7.0,SNR=5.0 0.4nm,0.7s						
ASAR	Alice Springs	153.32 40	PKPbc	09 52 04.3	-0.7	
0.3nm,0.3s,baz=342,slow=5.3,SNR=1.6						
ASAR	Alice Springs		PKPab	09 52 16.8	-0.2	
0.5nm,0.7s,baz=320,slow=3.9,SNR=6.3						

NNC 12 09:51:34.8:4.8,36.42N:69.55E,h0km,mb4.2,mpv4.3,
Error ellipse: s-maj=79.2km s-min=60.0km az=129.0
ISC 12 09:51:36.4:3.9,36.5N:0.2:70.2E,0.2,h10km,n12,
s=287/12,1C-2D,Hindu Kush region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	
				h m s	ISC	
IUG	Iuzhnay	5.68 359	Op	09 53 09.5	-6.2	
13nm,0.2s						
IUG	Iuzhnay		Lg	09 54 09.2		
84nm,0.3s						
AML	Almayatay	6.28 25	Pn	09 53 10.2	+0.7	
SNR=58						
KK31	Karatay Array	6.64 2	Op	09 53 14.2	+0.1	
1.8nm,0.2s,baz=178,slow=13,SNR=5.3						
KK31	Karatay Array		S	09 54 33.2	+3.4	
7.9nm,0.4s,baz=188,slow=24						
UCH	Uchto	6.66 29	P	09 54 25.9	-5.1	
SNR=9.0						
MRKS	Merke	6.70 20	Pg	09 53 17.9	+3.0	
9.8nm,0.3s						
MRKS	Merke		Lg	09 54 23.9		
39nm,0.4s						
EKS2	Erkin-Say	6.78 23	Pn	09 53 17.6	+1.4	
SNR=17						
AAK	Ala-Archa	7.01 27	P	09 53 21.6	+2.4	
SNR=19						
KBK	Karagaybulak	7.20 29	Pn	09 53 24.4	+2.5	
SNR=6.7						
CHMS	Chumysh	7.41 27	Pn	09 53 26.4	+1.7	
SNR=5.5						
USP	Ospenovka	7.56 25	P	09 53 28.9	+2.2	
SNR=6.1						
TKM2	Tokmak 2	7.68 31	P	09 53 29.8	+1.3	
SNR=15						
AB31	Akbulak array	14.81 333	Op	09 55 03.9	-1.9	
0.4nm,0.3s,baz=156,slow=11,SNR=4.5						

NEIC 12 09:56:23.9:1.4,26.7S:0.1:176.4W:0.2,h10km,2km,
mb4.7/7, Error ellipse: s-maj=32.6km s-min=4.5km
az=124.0

IDC 12 09:56:25.0:1.1,26.86S:176.56W,h0km,mb3.9/6,
mbmp4.0/7,ML4.8/1, Error ellipse: s-maj=33.3km
s-min=25.7km az=97.0

ISC 12 09:56:24.4:0.7,26.7S:0.1:176.5W,0.1,h10km,n18,
s=187/12,mb4.2/10, South of Fiji Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	
				h m s	ISC	
RAO	Raoul Island	2.85 206	Op	09 57 09.5	-0.4	
172nm,0.3s,baz=91,slow=22,SNR=2.5						
RAO	Raoul Island	2.85 206	Pn	09 57 10.4	+0.5	
216nm,0.3s,baz=104,slow=21,SNR=5.9						
389nm,0.3s						
NIUE	Niue	9.69 40	Pn	09 58 41.4	-2.5	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
CAN	Camberra	30.69 245	P	10 02 37.5	-2.0	
comp=2.7,2nm,1.1s						
COEN	Coen	39.73 280	P	10 03 56.7	-0.1	
comp=2.6,0.9nm,1.0s						
ASAR	Alice Springs	44.78 263	P	10 04 39.6	+1.0	
comp=2.0,3nm,0.3s,baz=97,slow=7.0,SNR=6.9						
WB2	Warramunga Arr	45.43 268	P	10 04 43.2	-0.5	
comp=2.3,3nm,0.9s						
WB2	Warramunga Arr	45.44 268	P	10 04 44.6	+0.8	
comp=2.1,8nm,0.6s,baz=107,slow=7.6,SNR=11						
WRA	Warramunga Arr	45.45 268	P	10 04 43.3	-0.5	
comp=2.5,1nm,1.1s						

FORT	Forrest	48.39 251	P	P	10 05 05.7	-1.0
comp=2.2,2nm,0.7s						
QSPA	South Pole Qui	63.40 180	P	P	10 06 54.1	+0.2
comp=2.1nm,0.6s,baz=354,slow=1.1,SNR=19						
QSPA	South Pole Qui	63.40 180	P	P	10 06 54.8	+0.9
comp=2.2,1nm,0.6s						
BELA	Belgrano 2	75.26 172	P	P	10 07 55.0	-0.4
comp=2.1,3nm,0.8s,baz=163,slow=7.3,SNR=4.6						
MJAR	Matsushiro Arr	76.01 324	P	P	10 08 14.6	+2.8
comp=2.0,2nm,0.5s,baz=129,slow=6.2,SNR=1.9						
KSRS	Korea Array	82.43 319	P	P	10 08 50.4	+3.6
comp=2.0,5nm,0.5s,baz=136,slow=6.1,SNR=12						
NVAR	Mina Array Bea	84.61 42	P	P	10 09 00.9	+2.5
comp=2.0,2nm,0.3s,baz=254,slow=6.6,SNR=2.3						
HFS	Hagfors	145.85 351	PKPbc	PKIKP	10 16 05.8	-1.1
comp=2.0,9nm,0.5s,baz=329,slow=2.5,SNR=6.6						

NEIC 12 09:59:43.1:0.6,26.7S:0.0:176.4W:0.1,h10km,1km,
mb4.2/6, Error ellipse: s-maj=15.6km s-min=6.1km
az=253.0

IDC 12 09:59:51.2:0.6,27.10S:176.64W,h71km,5km,mb3.9/12,
mbmp4.3/14,MS3.5/13, Error ellipse: s-maj=17.5km
s-min=16.9km az=114.0

ISC 09:59:53.0:5.5,27.23S:0.0:176.74W:0.09,h100km,
n67,c3848/57,mb4.2/15,Kermadec Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	
				h m s	ISC	
RAO	Raoul Island	2.27 207	Op	10 00 27.8	-1.8	
802nm,0.3s,baz=73,slow=21,SNR=1.1						
RAO	Raoul Island	2.27 207	S	10 00 30.2	+0.6	
2um,0.3s,baz=92,slow=23,SNR=4.0						
GLKZ	Green Lake	2.28 207	P	10 00 30.6	+0.9	
comp=2.0,4nm,1.0s						
NIUE	Niue	10.25 39	Pn	10 01 01.5	+4.1	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
NIUE	Niue	10.25 39	Pn	10 02 03.9	-1.4	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
MSVF	Nonsavu	10.60 332	Pn	10 02 10.4	-1.2	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
MSVF	Nonsavu	10.60 332	Pn	10 02 21.0	-1.5	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
WMGZ	Waionmatatini S	11.22 200	S	10 04 33.1	-3.5	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
HAZ	Te Kaha	11.47 202	S	10 02 26.8	-7.2	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
HAZ	Te Kaha	11.47 202	S	10 04 34.7	-5.4	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
PUZ	Puketiti	11.61 200	S	10 02 28.6	-7.3	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
PUZ	Puketiti	11.61 200	S	10 04 37.5	-6.0	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
PUZ	Puketiti	11.61 200	S	10 02 28.3	-10	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
TWGW	Tauhwareparae	11.79 201	S	10 05 04.2	-1.1	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
CNGZ	Carnagh Station	12.00 199	P	10 02 31.9	-9.3	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
CNGZ	Carnagh Station	12.00 199	P	10 04 48.3	-4.7	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
TKGZ	Te Karaka	12.07 201	S	10 02 35.2	-6.8	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
TKGZ	Te Karaka	12.07 201	S	10 04 49.4	-5.2	
0.2nm,0.3s,baz=3.4,slow=23,SNR=10.0						
URZ	Urewera	12.15 204	P	10 04 52.4	-4.3	
2nm,0.3s,baz=212,slow=21,SNR=14						
URZ	Urewera	12.15 204	P	10 02 34.1	-9.0	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
URZ	Urewera	12.15 204	P	10 04 51.7	-5.1	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
RIGZ	Rimuhau	12.34 201	P	10 02 39.0	-6.6	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
RIGZ	Rimuhau	12.34 201	P	10 04 56.0	-5.8	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
RTZ	Ruatahuna	12.52 203	P	10 05 00.5	-5.1	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
RTZ	Ruatahuna	12.52 203	P	10 05 00.5	-5.1	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
SNZ	Shannon Station	12.54 202	S	10 05 01.5	-4.7	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
KNZ	Kokohu	12.66 200	S	10 02 41.8	-8.0	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
KNZ	Kokohu	12.66 200	S	10 05 01.6	-7.3	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
RAHZ	Arahi	12.75 202	S	10 05 04.1	-6.8	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
PXZ	Pawanui	13.83 201	S	10 02 58.0	-7.1	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
PXZ	Pawanui	13.83 201	S	10 05 27.8	-1.0	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
AFI	Afiamaulu	14.04 20	Pn	10 02 53.7	-1.4	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
AFI	Afiamaulu	14.04 20	Pn	10 02 55.3	-1.3	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
DZM	Mont Dzumac	16.21 285	P	10 03 34.7	+0.3	
1.1nm,1.0s,baz=128,slow=7.6,SNR=3.5						
DZM	Mont Dzumac		LR	10 08 49.1		
1.0nm,1.0s,baz=128,slow=7.6,SNR=3.5						
CTZ	Chatham Island	16.48 180	S	10 06 28.4	-13	
0.2nm,0.3s,baz=212,slow=21,SNR=14						
RAZ	Ratongata	16.59 173	LR	10 09 34.3		
1.8nm,18.1s,baz=498,slow=35						
HNR	Honiara	28.24 304	LR	10 13 55.6		
comp=2.54nm,20.2s,baz=175,slow=30						
EIDS	Eidsvoll	28.87 266	LR	10 05 43.9	+1.1	
comp=2.54nm,20.2s,baz=175,slow=30						
CTA	Charters Tower	34.54 274	LR	10 18 38.7		
comp=2.89nm,19.6s,baz=104,slow=33						
CTAO	Charters Tower	34.54 274	P	10 06 33.1	+0.5	
comp=2.89nm,19.6s,baz=104,slow=33						
STKA	Stephens Creek	36.38 252	P	10 06 49.9	+1.7	
comp=2.89nm,19.6s,baz=104,slow=33						
PMG	Port Moresby	38.39 291	LR	10 19 53.2		
comp=2.65nm,20.9s,baz=75,slow=31						
COEN	Coen	39.60 281	P	10 07 15.3	-0.1	
comp=2.65nm,20.9s,baz=75,slow=31						
AS31	Alice Springs	44.88 263	P	10 07 56.4	+1.2	
comp=2.65nm,20.9s,baz=75,slow=31						
ASAR	Alice Springs	44.88 263	P	10 07 56.4	+1.3	
comp=2.65nm,20.9s,baz=75,slow=31						
WB2	Warramunga Arr	45.18 268	P	10 08 01.4	+0.8	
comp=2.2,2nm,0.6s						
WB2	Warramunga Arr	45.18 268	P	10 08 02.3		
comp=2.2,2nm,0.6s						
WRA	Warramunga Arr	45.19 268	P	10 08 01.1	+0.3	
comp=2.2,2nm,0.6s						
WRA	Warramunga Arr	45.19 268	P	10 08 18.9	-5.1	
comp=2.2,2nm,0.6s						
WB0	Warramunga Arr	45.20 269	P	10 08 02.0	-0.1	
comp=2.2,2nm,0.6s						
WB0						

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like YULB, SSLS, NACB, YHNB, DAV, KSRS, CMAR, MJAR, SONM, WRA, MKAR, ASAR, ZALV, KURBB, YKA.

DJA 12 10:42:03.5±0.5, 3°N±5.12°E±1.1, h10km, M3.3/5, MLv3.3/5
IDC 12 10:41:58.2±1.7, 2.66N±126.93E, h0km, mb3.7/5, mbtmp3.7/5, Error ellipse: s-maj=163.8km s-min=19.8km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WRA, ASAR, STKA, MKAR, KURBB.

ISC 12 10:51:45.0±1.0, 46.75N±0.04±28.75E±0.07, h14km±9km, n12, c052/19, 9C-7D, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MILM, KIS, PURM, TUDR, SORM, CFR, VRI, PLOI, BIZ.

IDC 12 11:09:47.4±1.4, 7.31S, 122.07E, h513km±16km, mb3.0/2, mbtmp3.5/6, Error ellipse: s-maj=119.1km s-min=20.8km az=62.0

DJA 12 11:09:52.8±1.3, 7°S±7.12°E±2.2, h443km±21km, M4.0/9, mB4.5/2, mb4.1/3, MLv4.0/9, Mw(mB)3.7/2

ISC 12 11:09:47.9±1.0, 7.25±0.1±122.2E±0.1, h500km±n13, c169/14, Flores Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SOEI, BATI, WRA, ASAR, SONM, ZALV.

SOME 12 11:15:38.6, 44.73N±79.80E, h10km
IDC 12 11:15:39.3±1.4, 44.84N±79.80E, h0km, mbtmp3.0/5, ML2.6/4, Error ellipse: s-maj=24.3km s-min=11.1km az=138.0

NNC 12 11:15:40.9±1.5, 44.52N±80.33E, h0km, mb4.0, mpv4.1, Error ellipse: s-maj=20.1km s-min=8.9km az=120.0

ISC 12 11:15:38.8±0.7, 44.78N±0.03±79.87E±0.03, h10km±n45, c130/70, 7C-3D, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DJR, KNOS, TDK, BLB, PDGK.

Main table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PDGK, KPKS, ARXS, SHLS, UZB, KURS, SATY, CHHK, CHKK, MK31, AAA, KUU, TNS, MTBS, KRBS, KST, DGS, DKS, TKM, CHMS, BTLS, ZSN, AAK, KURBB, ZALV, SONM.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SPN, NLC, DALK, PET, INSR, AVH, KOK, KRX, KRK, RUS, KRMR, MTRV, GRL, I44RU, PEAOB, PETK, KDR, KPT, APC, PAU, KMN, SKR, SKR, SKR, ESO, KIRR, KPT, KOZ, SRDR, KLY, KLY, KBT, KBT, KBG, BKI, BKI, PALN, OSSO, MA2, MA2, MA2, TYV, TYV, TYV, TYV, SEY, SEY, UGL, UGL, YSS, YSS.

YSS	comp=Z,30nm,1.1s		pmax	pmax			
YSS	comp=Z,700nm,13.0s		MLR	MLR			
YSS	comp=N,700nm,14.0s		MLR	MLR			
YSS	comp=E,500nm,15.0s		MLR	MLR			
JKA	Kamikawa-asahi	14.24 239	Pn	Pn	11 22 21.1 +1.3		
ASAJ	Asahikawa	14.24 239	P	P	11 22 20.9 +1.1		
ASAJ	comp=E,167nm,0.8s,baz=74,slow=9,SNR=26		LR	LR	11 27 40.4		
ASAJ	comp=E,670nm,20.2s,baz=46,slow=36		LR	LR	11 22 21.1 +1.3		
GRNR	Asahikawa	14.24 239	P	Pn	11 22 16.7 -6.1		
GRNR	Gorny	14.48 271	P	P			
GRNR	comp=N,2.0nm,0.9s		pmax	pmax			
GRNR	comp=Z,2.0nm,1.0s		MLR	MLR			
GRNR	comp=N,260nm,17.0s		MLR	MLR			
GRNR	comp=Z,350nm,16.0s		MLR	MLR			
ERM	Ermo	15.50 232	Pn	Pn	11 22 33.5 -2.5		
ERM	comp=Z,99nm,1.1s		IAMB	IAMB	11 22 41.5		
ERM	Ermo	15.50 232	P	Pn	11 22 33.5 -2.5		
ERM	comp=Z,99nm,1.1s		pmax	pmax			
BILL	Bilbino	15.56 9	Pn	Pn	11 22 36.3 -0.3		
BILL	Bilbino	15.56 9	eP	eP	11 22 35.4 -1.2		
BILL	comp=Z,1.1nm,0.7s		pmax	pmax			
JTM	Tenabayashi	17.45 234	Pn	Pn	11 22 56.4 -3.9		
KLR	Kul'dur	17.84 269	P	P	11 23 05.3 +0.3		
KLR	comp=Z,19nm,0.8s,baz=70,slow=12,SNR=53		PcP	PcP	11 27 38.3 +0.3		
KLR	comp=Z,4.1nm,1.1s,baz=46,slow=15,SNR=4.4		LR	LR	11 30 14.9		
KLR	comp=Z,313nm,19.6s,baz=76,slow=38		Pn	Pn	11 23 05.7 +0.7		
KLR	Kul'dur	17.84 269	eP	eP			
KLR	comp=Z,40nm,1.7s		pmax	pmax			
YAK	Yakutsk	18.37 312	P	P	11 23 09.6 -1.0		
YAK	Yakutsk	18.37 312	P	P	11 23 09.7 -0.8		
YAK	comp=Z,256nm,0.7s,baz=58,slow=2.1,SNR=51		LR	LR	11 30 41.9		
YAK	comp=Z,403nm,19.0s,baz=106,slow=53		LR	LR	11 23 09.6 -1.0		
YAK	Yakutsk	18.37 312	eS	eS	11 26 31.9 -3.8		
YAK	comp=Z,95nm,1.0s		pmax	pmax			
YAK	comp=N,28nm,0.9s		pmax	pmax			
YAK	comp=E,39nm,1.1s		pmax	pmax			
YAK	comp=N,179nm,2.5s		smax	smax			
YAK	comp=E,152nm,1.9s		smax	smax			
GAMB	Gambell	18.43 42	P	Pn	11 23 12.0 +0.1		
GAMB	Gambell	18.43 42	P	Pn	11 23 11.7 -0.2		
NIKH	Nikolski High	18.94 77	P	Pn	11 23 19.9 +1.6		
ZEA	Zeya	19.27 286	eP	P	11 23 19.9 -0.6		
ZEA	comp=Z,40nm,1.2s		pmax	pmax			
ZEA	comp=N,179nm,2.5s		MLR	MLR			
JMM	Marumori	19.90 229	P	P	11 23 28.2 +0.9		
JMM	comp=Z,200nm,18.0s		IAMB	IAMB	11 23 29.7		
JMM	Marumori	19.90 229	P	P	11 23 28.6 +1.2		
M11K	Mekoryuk	20.07 54	P	P	11 23 30.2 +1.2		
HEH	Heihe	20.10 276	eP	P	11 23 30.0 +0.5		
HEH	comp=Z,71nm,1.1s		pmax	pmax			
USA0B	Ussuriysk Arra	20.14 256	P	P	11 23 29.1 -0.9		
USA0B	Ussuriysk Arra	20.14 256	eP	P	11 23 28.5 -1.4		
USRK	Ussuriysk Arr	20.14 256	P	P	11 23 30.6 +0.7		
USRK	Ussuriysk Arr	20.14 256	P	P	11 23 29.4 -0.5		
USRK	comp=Z,19nm,0.8s,baz=58,slow=9,SNR=22		LR	LR	11 32 05.8		
UNV	Unalaska Valle	20.14 74	P	Pn	11 23 32.0 -0.4		
TNA	Tin City	20.62 39	P	IAMB	11 23 36.5 +1.6		
TNA	comp=Z,128nm,1.1s		IAMB	IAMB	11 23 41.6		
TNA	Tin City	20.62 39	P	P	11 23 36.1 +1.1		
VLA	Vladivostok	20.84 253	iP	pmax	11 23 36.9 -0.6		
VLA	comp=Z,24nm,1.4s		pmax	pmax			
JSD	Sado	20.95 233	P	P	11 23 39.5 +0.7		
K13K	Kusilvsk Mount	21.02 50	P	P	11 23 38.9 +1.0		
F14K	Arctic Creek	21.21 40	P	P	11 23 42.3 +1.0		
ANM	Nome	21.30 43	P	P	11 23 43.3 +1.0		
ANM	Nome	21.30 43	P	P	11 23 43.5 +1.2		
ANM	Nome	21.30 43	P	P	11 23 43.3 +1.0		
ANM	comp=Z,30nm,0.9s		pmax	pmax			
MDJ	Mudanjiang	21.32 259	P	P	11 23 41.8 -0.9		
M13K	Dali Lake	21.48 55	P	P	11 23 45.8 +1.6		
MSHR	Myas Shultsa	21.59 253	eP	P	11 23 43.0 -2.6		
MSHR	comp=Z,20nm,0.7s		pmax	pmax			
J14K	Nanvaranar Lak	21.67 48	P	IAMB	11 23 46.8 +0.4		
J14K	comp=Z,50nm,1.0s		IAMB	IAMB	11 23 48.2		
J14K	Nanvaranar Lak	21.67 48	P	P	11 23 47.1 +0.9		
FALS	False Pass	21.74 70	P	P	11 23 49.3 +2.3		
PSTR	Posyet	21.75 254	eP	P	11 23 45.6 -1.7		
L14K	Kuka Creek	21.88 52	P	P	11 23 49.7 +1.2		
F15K	North Star Dit	21.94 40	P	P	11 23 50.4 +1.2		
G15K	Niukkuu Arr	21.97 42	P	P	11 23 50.1 +0.6		
BNX	BinXian	22.04 264	iP	P	11 23 49.4 -0.9		
BNX	comp=Z,51nm,1.0s		pP	pP	11 24 01.9 -2.8		
BNX	comp=Z,51nm,1.0s		SP	SP	11 24 09.5 -3.7		
BNX	comp=Z,51nm,1.0s		PcP	PcP	11 27 46.4 +0.7		
BNX	comp=Z,51nm,1.0s		S	S	11 27 49.8 +0.5		
BNX	comp=Z,51nm,1.0s		Sn	Sn	11 28 08.5 +4.7		
BNX	comp=Z,41nm,0.9s		pmax	pmax			
BNX	comp=Z,320nm,5.8s		MLR	MLR			
BNX	comp=Z,370nm,14.9s		LR	LR			
BNX	comp=Z,360nm,12.7s		LR	LR			
BNX	comp=Z,490nm,13.7s		LR	LR			
MJB9	Matsu-Tunnel	22.17 231	P	P	11 23 52.8 +1.0		
MAJO	Matsushiro	22.17 231	P	P	11 23 52.2 +0.3		
MAJO	Matsushiro	22.17 231	P	P	11 23 52.8 +0.9		
MAJO	Matsushiro	22.17 231	iP	P	11 23 50.8 -1.1		
MAJO	comp=Z,92nm,1.0s		pmax	pmax			
MJAR	Matsushiro Arr	22.17 231	P	P	11 23 51.9 0.0		
MJAR	comp=Z,67nm,1.0s,baz=17,slow=11,SNR=59		PcP	PcP	11 27 46.2 +0.1		
MJAR	comp=Z,2.6nm,0.8s,baz=78,slow=1.5,SNR=4.9		LR	LR	11 34 05.1		
MJAR	comp=Z,224nm,18.7s,baz=30,slow=41		LR	LR			
M14K	Bethel	22.18 54	P	P	11 23 52.6 +0.8		
N14K	Kuskokwag Cree	22.29 56	P	P	11 23 53.5 +0.7		
L15K	Ungalak Mounta	22.49 52	P	P	11 23 55.5 +0.5		
O14K	Tiguykaiuiet M	22.50 58	P	P	11 23 56.2 +1.0		

K15K	Wolf Creek Mou	22.53 50	P	P	11 23 56.3 +0.8		
H16K	Elim	22.63 44	P	P	11 23 56.9 +0.4		
C16K	Lisburne Hills	22.65 34	P	P	11 23 56.6 -0.1		
G16K	Koyuk River	22.77 42	P	P	11 23 58.1 +0.2		
M15K	Kasigluk River	22.81 54	P	P	11 23 58.5 +0.1		
J16K	Anvik River	23.09 48	P	P	11 24 01.6 +0.4		
N15K	Kwethluk River	23.09 56	P	P	11 24 01.5 +0.3		
I17K	Unalakleet	23.14 46	P	P	11 24 02.4 +0.7		
TIXI	Tiksi	23.17 336	P	IAMB	11 23 59.9 -2.0		
TIXI	comp=Z,50nm,1.0s		LR	LR	11 24 18.7		
TIXI	Tiksi	23.17 336	LR	LR	11 33 60.0		
TIXI	comp=Z,698nm,21.1s,baz=172,slow=39		eP	eP	11 24 00.3 -1.6		
TIXI	Tiksi	23.17 336	eP	eP			
D17K	Noatak River	23.21 36	P	P	11 24 02.2 -0.1		
O15K	Ungalikthiuk R	23.24 58	P	P	11 24 03.0 +0.3		
JGF	Kokolik	23.34 231	P	P	11 24 04.2 +0.4		
JGF	Kuroka	23.34 231	P	P	11 24 05.0 +1.1		
RDO	Red Dog Mine	23.40 35	P	P	11 24 04.1 -0.1		
L16K	Owhat River	23.44 52	P	P	11 24 05.0 +0.4		
E17K	Hotham Inlet	23.46 38	P	P	11 24 04.9 +0.3		
C17K	DeLong Mountai	23.47 34	P	P	11 24 04.9 +0.1		
G17K	Kiwalik Mounta	23.48 42	P	P	11 24 05.7 +0.8		
F17K	Baldwin Pennin	23.48 40	P	P	11 24 05.5 +0.6		
M16K	Timber Creek	23.66 53	P	P	11 24 07.6 +1.0		
H17K	Granite Mounta	23.66 44	P	P	11 24 07.6 +1.0		
INU	Inuyama	23.70 231	P	P	11 24 06.7 -0.4		
INU	Inuyama	23.70 231	P	P	11 24 08.3 +1.2		
N16K	Nishilik Lake	23.75 55	P	P	11 24 08.0 +0.6		
J17K	VADM Dome	23.78 47	P	P	11 24 08.9 +1.3		
CHNA	Chernabura Isl	23.91 69	P	P	11 24 10.3 +1.4		
E18K	Tukpalearik C	24.02 37	P	P	11 24 09.9 +0.2		
L17K	Donlin	24.03 51	P	P	11 24 10.3 +0.5		
P16K	Nushagak River	24.19 58	P	P	11 24 12.0 +0.7		
C18K	Utukok River	24.21 34	P	P	11 24 11.3 -0.2		
CN2	CN2	24.25 262	eP	eP	11 24 10.0 -2.0		
CN2	CN2		eS	eS	11 24 24.3 -3.8		
CN2	CN2		S	S	11 28 19.6 -6.1		
CN2	comp=Z,20nm,1.1s		pmax	pmax			
CN2	comp=Z,100nm,5.0s		LR	LR			
CN2	comp=Z,400nm,15.0s		LR	LR			
CN2	comp=Z,400nm,15.0s		LR	LR			
CN2	comp=Z,400nm,17.0s		LR	LR			
B18K	Kokolik River	24.28 33	P	P	11 24 12.1 +0.1		
H18K	Hogosa River	24.35 43	P	P	11 24 13.5 +0.8		
G18K	Tanaga	24.38 41	P	P	11 24 13.6 +0.7		
M17K	Holittna River	24.41 53	P	P	11 24 14.1 +0.8		
N17K	Nushagak Hills	24.53 55	P	P	11 24 15.4 +0.9		
R16K	Pilot Point	24.56 62	P	P	11 24 15.6 +1.0		
O17K	Koliganek Bris	24.61 56	P	P	11 24 16.3 +1.3		
L18K	Granite Mounta	24.78 51	P	P	11 24 17.5 +0.8		
J18K	Inno River	24.84 48	P	P			

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes entries like C27K Jago River, N25K Chitina, Valde, BMRM Bremner River, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes entries like PLBC Pleasant Camp, MOY Mondy, M31M Drury Creek, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes entries like SPITS Kirchatov, SPITS Spitsbergen Ar, SPB2 Spitsbergen Ar, etc.

12d 11h

2019 JAN

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like AKBB Malin Array Si, KIEV Kiev, and various other call signs.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like P49A Miami Univ, CLZ Clausthal, UPC Uptice, and various other call signs.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like MCWV Mont Chateau, BTEL Ternet, MEM Membach, and various other call signs.

12d 12h

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DZA Taraz, IUG MCOY, and others.

2019 JAN

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PET Petropavlovsk, MA2 Magadan, and others.

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Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MNK Minsk, BUR08 Bucovina Ar, and others.

IDC 12 12:09:24.7,2.3,25.215x179.59E,h10km,23km,mb2.9/2, mbtmp,0.04, Error ellipse: s-maj=35.8km s-min=26.1km az=113.0

ISC 12 12:09:24.0,0.8,25.115x179.60E,0.02,h507km,n35,c284/48, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like GLKZ Green Lake, WCV Waipu Caves, and others.

IDC 12 12:20:46.5,1.6,41.40N,83.36E,h0km,mb3.6/1, mbtmp,3.76,ML3.1/5, Error ellipse: s-maj=23.5km s-min=15.6km az=72.0

NMC 12 12:20:49.2,2.5,41.71N,84.63E,h0km,mb4.6,mpv4.2, Error ellipse: s-maj=19.8km s-min=11.2km az=140.0

SOME 12:12:20:51.5,42.582N-83.92E,h15km
ISC 12:12:20:48.2,1.4,41.400N,0.07:83.30E,0.05,h10km,n33,
z=66/50,5C-6D,Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various seismic stations and their parameters.

Table with columns: ORTH, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations with specific identifiers like Ratzakli, Kefa, Valsamata, etc.

NEIC 12:12:54:02.0,1.6,7.61S:0.07:127.48E:0.06,h155km,7km,
mb4-78.3, Error ellipse: s-maj=10.0km s-min=8.8km
az=183.0
DJA 12:12:54:02.9,0.2,8.2S:2.12E:8E,h154km,4km,M4/8/30,
mb5.1/30,mb5.2/23,MLV5.4/15,Mw(mb)4.6/23,
Mw(Mw)4.3/3,Mw4.8/3
IDC 12:12:54:02.2,1.5,7.52S:127.56E,h160km,13km,mb4.4/19,
mbmp4.8/23,MS3.6/16, Error ellipse: s-maj=15.0km
s-min=8.8km az=72.0
GCMT 12:12:54:04.0,0.4,7.57S:0.03:127.78E:0.03,h171km,4km,
MW4.9/81, Moment Tensor Solution. s19,c19; s81,c8;
Duration: 0 Moment tensor: Scale 10^10Nm; Mr1.68; 12;
Mw=0.52; 15; Mw=1.16; 18; Mw=0.47; 10; Mw=2.07; 17;
Mw=1.34; 12; Best double couple: Mo=2.90700x10^16
N1:367.4,0.0000; N2:849.00000; N3:145.00000; NP:2;
phi=189.00000; phi=0.00000; phi=147.00000; Principal axes: T
z:7650, P:151.0000, Az:499.0000; N:0.2890,
P:35.0000; Az:211.0000; P:-3.0490, P:0.0000;
Az:308.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

Table with columns: BATI, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations including Baumata, Maumere, Darwin Rock Stn, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations like Lithakia, Saumlaki, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations like Saumlaki, Soe, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations like Bungbulang, Lembang, etc.

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12d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PLO3, N30M, TURR, BUNAR, BURBO, etc.

SNET 12 13:20:43.6:1.0, 13°12'N;89°63'W,h48km,ML4.3
CATAC 12 13:20:43.7:1.0, 13°12'N;89°63'W,h21km,4km,ML4.4/33,
MLV4.4/33, Error ellipse: s-maj=15.9km s-min=6.8km
az=45.7, confirmed
GCG 12 13:20:44.0:0.9, 13°15'N;89°68'W,h34km,5km,MD4.4,
Hypocentre not reviewed by the ISC
ISC 12 13:20:44.3:2.1, 13°14'N;0°08'89.64W;0.06,h33km,6km,
n82, e0566/93, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LALI, JAYA, PANCS, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LLLN, LLAG, LLGN, etc.

SOME 12 13:32:19.5, 42°53'N;78°63'E,h10km
NMC 12 13:32:19.8:0.8, 42°55'N;78°76'E,h0km,mpv2.8, Error
ellipse: s-maj=4.5km s-min=2.4km az=178.0
KRNET 12 13:32:21.2:0.1, 40°36'N;77°11'E,h35km,mb2.5
ISC 12 13:32:21.8:4.1, 40°42'52'N;40°78'53'E;0.04,h10km,n19,
i1862/34, 12C-2D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PRZ, SATY, ZHN, etc.

ISC 12 13:46:40.6:0.9, 29°42'S;178°16'W,h72km,28km,mb3.6/4,
mbtmp3.9/4, Error ellipse: s-maj=64.4km s-min=31.4km
az=32.0
ISC 12 13:46:40.3:1.5, 29°22'S;0°4'178°0'W;0.3,h82km,11km,n6,
e1917/7,mb4.0/4, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ULHL, ARXS, ARXS, etc.

ISC 12 13:53:18.7:1.5, 2°80'N;127°23'E,h0km,mb3.7/5,
mbtmp3.7/5, Error ellipse: s-maj=137.0km
s-min=19.5km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, ASAR, STKA, etc.

Hypocentre not reviewed by the ISC
SNET 12 13:54:38.4:1.3, 15°60'N;89°02'W,h13km,8km,ML4.2
CATAC 12 13:54:38.6:0.3, 15°N;3°8'W,h10km,ML4.4/18,
MLV4.4/18

ISC 12 13:54:38.4:1.2, 15°53'N;0°04'88.95W;0.04,h10km,12km,
n54, e1902/59, Honduras

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IZABA, SARH, SARH, etc.

ISC 12 13:57:05.3:1.0, 5°50'S;151°70'E,h0km,mb4.0/10,
mbtmp4.1/11,ML2.0/1,MS3.3/3, Error ellipse:
s-maj=38.1km s-min=17.7km az=122.0
NEIC 12 13:57:06.2:2.6, 5°52'S;0°05'151.7E;0.1,h10km,1km,
mb4.6/14, Error ellipse: s-maj=20.8km s-min=5.3km
az=106.0
ISC 12 13:57:07.0:0.7, 5°74'S;0°07'151.7E;0.1,h10km,n30,
e1972/29,mb4.3/17, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RABL, MANU, PMG, etc.

Table with columns: M27K, BVAR, NVAR, TORD. Includes station names like Edge Creek, Borvoe Array, Mina Array, Torodi Ar. Bea and various technical parameters.

DJA 12 14:13:01.7, 0.1, 9.5, 1.12, 10E, h63km, 3km, M4, 8/2, mB5.3/13, mb4.8/42, MLV5.0/30, Mv(MB)4.7/13, MwMwp5.4/1, Mwmp5.6/1

NEIC 12 14:13:01.4, 2.4, 8.45S, 0.08, 119.71E, 0.07, h91km, 5km, mb4.6/22, Error ellipse: s-maj=13.7km s-min=8.4km az=218.0

IDC 12 14:13:03.0, 2.0, 8.31S, 119.86E, h80km, 17km, mB3.8/15, mbmp4.1/15, MS3.3/15, Error ellipse: s-maj=26.7km s-min=8.3km az=61.0

ISC 12 14:13:03.4, 0.4, 8.53S, 0.04, 119.84E, 0.04, h100km, n153, c244/13, mb4.3/26, Flores region

Main station list for the left column. Columns include Code, Station Name, Az, Phase ID, Time, Res, and various technical parameters.

Main station list for the middle column. Columns include Code, Station Name, Az, Phase ID, Time, Res, and various technical parameters.

Main station list for the right column. Columns include Code, Station Name, Az, Phase ID, Time, Res, and various technical parameters.

12d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, KOTR Khodinka, Kamc, etc.

IDC 12 15:48:13.47.0, 18.96N:145.42E, h261km, 70km, mb3.1/8, mbmp3.8/9, MS3.1/1, Error ellipse: s-maj=35.5km

ISC 12 15:48:08.71.1, 19.0N:02.145.4E:0.2, h214km, n9, s-min=15.4km az=88.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like JNU Nakatsue, WRA Warramunga Arr, ASAR Alice Springs, etc.

NOU 12 15:56:53.8, 10.90S:165.79E, h0km, mb4.6/5, Santa Cruz Islands, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like LUES Luesalemba Tem, HURO Huro Makira, etc.

KRNET 12 16:00:29.0.0.1, 39.56N:75.31E, mb3.4, SOME 12 16:00:29.1, 39.72N:75.37E, h10km

NMC 12 16:00:35.4.2.5, 39.87N:74.99E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=19.1km s-min=12.7km az=170.0

ISC 12 16:00:29.1.1, 1.3973N:0.057541E:0.03, h10km, n66, s=227/104, 33C-11D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like SFK Sufi-Kurgan, SALK Salom-Alik, OHH Osh, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like MTBS Matube, ANVS Anian'yevov, TNSSS Tian-Shan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like PCDR Punta Cana, DR, IDE Isla Desecheo, PRSN Puerto Rico Se, etc.

TRN 12 16:12:50.7, 10.28N:62.71W, h19km, MD3.1, Venezuela coast near Gulf of Paria.

FUNV 12 16:12:52.4, 10.32N:62.75W, h32km, MWV3.4, ISC 12 16:12:51.0.6.5, 10.18N:0.056277W:0.04, h37km, n7km, n11, 1965/18, 2C-3D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like CUMV Cumana, UDO, TRN Trinidad (W), etc.

NEIC 12 16:22:34.7.1.6, 19.2S:0.1x177.5W:0.2, h572km, 9km, mb4.7/45, Error ellipse: s-maj=20.6km s-min=19.6km

NOU 12 16:22:34.6, 19.28S:177.19W, h571km, mb4.8/40, Fiji Islands Region

IDC 12 16:22:38.2.1.0, 19.08S:177.74W, h596km, 10km, mb3.6/20, mbmp4.4/22, Error ellipse: s-maj=12.0km s-min=9.6km az=140.0

ISC 12 16:22:36.6.0.4, 19.23S:0.05x177.45W:0.06, h600km, n200, 1985/209, mb4.4/46, 7D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like LKBA Tubou, Lakemba, etc.

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QRZ	Quartz Range	39.31 155	P	P	17 20 46.4	-0.6
URZ	Urewera	39.40 149	LR	LR	17 35 58.4	
	comp=Z,3um,18.1s,baz=52,slow=34					
RTA	Ruatohuna	39.60 149	P	P	17 20 48.2	-1.4
TKNZ	Takaka Hill	39.68 155	P	P	17 20 48.5	-1.5
MRNZ	Matariki Terra	39.81 326	P	P	17 20 49.3	-2.4
JOW	Kunigami	39.91 326	P	P	17 20 49.9	-2.2
JOW	Kunigami	39.91 326	I Amb	I Amb	17 21 37.0	
JOW	Kunigami	39.91 326	P	P	17 20 53.0	+0.9
JOW	comp=Z,24nm,0.8s,baz=202,slow=8.8,SNR=4.1		LR	LR	17 37 06.3	
PWJI	Pagenwojo	40.20 264	P	P	17 20 54.3	-0.5
	comp=Z,1um,18.1s,baz=118,slow=36					
THZ	Tophouse	40.25 156	P	P	17 20 53.1	-1.7
GIRL	Giralia	40.30 242	P	P	17 20 53.3	-2.2
TCW	Tory Channel	40.37 154	P	P	17 20 55.1	-0.7
TUWZ	Tuamarina	40.40 155	P	P	17 20 55.1	-0.9
INZ	Inchbonnie	40.50 158	P	P	17 20 56.3	-0.5
MRZ	Mangatainoka R	40.51 152	P	P	17 20 55.6	-1.4
PCJI	Pacifan	40.83 264	P	P	17 20 59.6	-0.4
BFZ	Birch Farm	40.83 152	P	P	17 20 59.1	-0.5
BFZ	comp=Z,134nm,1.8s		I Amb	I Amb	17 21 12.4	
LTZ	Lake Taylor	40.86 157	P	P	17 20 59.1	-0.8
LTZ	comp=Z,132nm,2.0s		I Amb	I Amb	17 22 05.6	
MSWZ	Mokua Station	40.96 153	P	P	17 20 59.2	-1.5
KHZ	Kahutara	41.05 156	P	P	17 21 01.2	-0.2
KHZ	comp=Z,108nm,1.7s		I Amb	I Amb	17 21 09.2	
PLWZ	Palliser	41.09 154	P	LR	17 20 59.9	-1.9
RPZ	Rata Peaks	41.22 159	LR	LR	17 38 05.3	
MORW	Morawa	41.29 232	P	P	17 21 02.4	-1.3
MORW	comp=Z,245nm,1.8s		I Amb	I Amb	17 21 30.5	
GVZ	Greta Valley S	41.31 157	P	P	17 21 02.6	-1.0
UGM	Wanagama	41.47 265	P	P	17 21 04.1	-1.3
DCZ	Deep Cove	41.57 164	P	P	17 21 05.4	-0.2
DCZ	comp=Z,60nm,1.2s		I Amb	I Amb	17 22 28.0	
MLZ	Maavora Lakes	41.75 163	P	P	17 21 06.5	-0.7
MLZ	comp=Z,151nm,1.7s		I Amb	I Amb	17 22 05.6	
MQZ	McQueen's Vall	41.79 158	P	P	17 21 06.9	-0.5
MQZ	comp=Z,245nm,1.8s		I Amb	I Amb	17 21 12.4	
YULB	Yu-li	41.91 315	P	P	17 21 07.0	-1.8
NACB	Ninganchiao	42.21 316	P	P	17 21 09.5	-1.6
NWAO	Narrogin (SRO)	42.29 226	P	P	17 21 10.6	-1.2
NWAO	Narrogin (SRO)	42.29 226	LR	LR	17 40 06.5	
NWAO	Narrogin (SRO)	42.29 226	P	P	17 21 10.6	-1.2
NWAO	comp=Z,42nm,1.0s,baz=14,slow=38		pmax	pmax		
TPUB	Ta-pu	42.33 314	P	P	17 21 11.1	-1.1
TPUB	comp=Z,156nm,1.8s		I Amb	I Amb	17 22 18.9	
SSLB	Suanglung	42.41 315	P	P	17 21 11.1	-1.7
YHNB	Yehung	42.68 316	P	P	17 21 14.4	-0.7
YHNB	comp=Z,221nm,1.8s		I Amb	I Amb	17 21 27.0	
JMN	Monobe	43.01 337	P	P	17 21 16.6	-1.0
KPJI	Karang Pucung	43.05 266	P	P	17 21 18.7	+0.5
JGF	Kuroka	43.51 342	P	P	17 21 20.8	-0.8
CMJI	Cimerak	43.53 265	P	P	17 21 21.8	-0.2
JNU	Nakatsue	43.72 334	P	P	17 21 21.7	-1.5
JNU	comp=Z,133nm,1.9s		I Amb	I Amb	17 21 32.8	
JNU	Nakatsue	43.72 334	P	P	17 21 23.0	-0.3
JNU	comp=Z,19nm,0.7s,baz=111,slow=9.4,SNR=4.0		LR	LR	17 38 10.2	
MJAR	Matsushiro Arr	44.14 344	P	P	17 21 24.2	-2.4
MJAR	comp=Z,2.9nm,1.0s,baz=172,slow=9.6,SNR=9.0		P	P	17 23 12.0	+2.2
MJAR	comp=Z,3.8nm,0.6s,baz=157,slow=3.7,SNR=13		P	P	17 27 05.4	+2.8
MJAR	comp=Z,4.3nm,1.1s,baz=173,slow=4.5,SNR=6.2		LR	LR	17 38 55.5	
MJAR	comp=Z,589nm,18.7s,baz=170,slow=35		LR	LR		
MAJO	Matsushiro	44.14 344	P	P	17 21 24.4	-2.2
MAJO	Matsushiro	44.14 344	eP	P	17 21 25.4	-1.2
LEM	Lembang	44.37 266	P	P	17 21 29.2	+0.3
	comp=Z,25nm,0.6s,baz=132,slow=7.8,SNR=11					
OZH	Quanzhou	44.80 314	P	P	17 21 33.3	+1.3
OZH	comp=Z,25nm,0.6s		LR	LR	17 28 13.0	+4.4
OZH	comp=Z,1um,14.4s		LR	LR		
OZH	comp=Z,980nm,18.9s		LR	LR		
CNJI	Cibinong	44.84 266	P	P	17 21 32.4	-0.2
SKJI	Sukabumi	45.41 266	P	P	17 21 37.0	-0.1
SKJI	comp=Z,2um,comp=Z,112nm,0.9s		P	P	17 21 37.0	-0.1
CGJI	Cibinong	46.28 266	P	P	17 21 42.9	-1.1
DLV	Lat	46.97 292	P	P	17 21 48.2	-1.3
SSE	Sheshan	47.21 323	P	P	17 21 50.6	-0.3
SSE	comp=Z,7.0nm,0.8s		pmax	pmax	17 28 45.2	+2.2
SSE	comp=Z,200nm,3.8s		LR	LR		
SSE	comp=Z,330nm,16.1s		LR	LR		
JTM	Tenmyayashi	47.50 348	P	P	17 21 52.4	-0.6
MDSI	Maura Dua	47.89 269	P	P	17 21 56.4	-0.1
LWLI	Liwa	47.98 268	P	P	17 21 57.5	+0.1
TJN	Taejon	48.02 333	eP	P	17 21 57.7	+0.6
QIZ	Qiongzong	48.52 302	P	P	17 22 01.0	-0.3
QIZ	comp=Z,2um,comp=Z,64nm,0.6s		P	P	17 29 02.5	+0.4
QIZ	comp=Z,20nm,1.5s		pmax	pmax	17 31 51.9	-1.8
QIZ	comp=Z,240nm,6.6s		LR	LR		
QIZ	comp=Z,300nm,17.2s		LR	LR		
QIZ	comp=Z,540nm,19.6s		LR	LR		
QIZ	comp=Z,770nm,15.6s		LR	LR		
KSRS	Korea Array	48.66 334	P	P	17 22 01.9	-0.1
KSRS	comp=Z,3.9nm,0.8s,baz=152,slow=8.0,SNR=12		P	P	17 23 28.6	+1.3
KSRS	comp=Z,2.7nm,0.8s,baz=151,slow=3.7,SNR=4.8		LR	LR	17 40 49.6	
KSRS	comp=Z,515nm,20.9s,baz=155,slow=34		LR	LR		
RAR	Rarotonga	48.88 113	LR	LR	17 42 01.3	
INCN	Inchon	49.26 333	P	P	17 22 05.3	-1.4
INCN	comp=Z,84nm,1.5s		I Amb	I Amb	17 22 09.2	
INCN	Inchon	49.26 333	P	P	17 22 05.3	-1.4
INCN	comp=Z,84nm,1.5s		pmax	pmax		
NJ2	Nanjing	49.29 322	eP	P	17 22 07.6	+0.6
NJ2	comp=Z,5.0nm,0.5s		pmax	pmax	17 29 13.1	+0.6
NJ2	comp=Z,430nm,3.9s		LR	LR		
NJ2	comp=Z,880nm,15.9s		LR	LR		
NJ2	comp=Z,790nm,17.0s		LR	LR		
JKA	Kamikawa-asahi	50.46 351	P	P	17 22 14.5	-1.1
JKA	comp=Z,93nm,1.8s		I Amb	I Amb	17 22 56.7	
ASAJ	Asahikawa	50.46 351	P	P	17 22 14.5	-1.2
ASAJ	comp=Z,93nm,1.8s		pmax	pmax		

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WHN	Wuhan	51.22 317	P	P	17 22 23.5	+1.9
WHN	comp=Z,1um,10.1s		S	S	17 29 41.0	+1.7
WHN	comp=Z,2um,13.9s		LR	LR	17 29 46.1	-0.1
WHN	comp=Z,2um,18.6s		LR	LR		
PPI	Padang Panjang	52.03 274	P	P	17 22 27.6	-0.4
PSTR	Posyet	52.03 340	eP	P	17 22 27.5	0.0
VLA	Vladivostok	52.09 341	eP	P	17 22 29.9	+2.0
VLA	comp=Z,12nm,0.7s		pmax	pmax		
DL2	Dalian	52.77 330	P	P	17 22 33.3	+0.3
DL2	comp=Z,40nm,1.6s		S	S	17 30 02.5	+2.1
DL2	comp=Z,370nm,7.0s		pmax	pmax		
DL2	comp=Z,460nm,15.2s		LR	LR		
DL2	comp=Z,930nm,18.0s		LR	LR		
DL2	comp=Z,740nm,17.7s		LR	LR		
MNSI	Mandailing Nat	53.00 275	P	P	17 22 35.0	-0.2
USA0B	Ussuriysk Arra	53.03 342	P	P	17 22 33.2	-1.6
USA0B	Ussuriysk Arra	53.03 342	eP	P	17 22 35.8	+0.9
USRK	Ussuriysk Arr	53.03 342	P	P	17 22 34.2	-0.6
USRK	comp=Z,3.0nm,0.7s,baz=165,slow=7.8,SNR=7.8		comp=Z,3.0nm,0.7s			
TIA	Tai'an	53.21 324	P	P	17 22 36.4	0.0
TIA	comp=Z,14nm,1.0s		S	S	17 30 00.3	-6.3
TIA	comp=Z,310nm,3.5s		pmax	pmax		
TIA	comp=Z,340nm,13.7s		pmax	pmax		
TIA	comp=Z,620nm,15.2s		LR	LR		
TIA	comp=Z,580nm,22.1s		LR	LR		
PSI	Prapat	53.94 278	P	P	17 22 40.9	-1.4
PSI	comp=Z,3.6nm,1.0s,baz=70,slow=15,SNR=2.9		comp=Z,3.6nm,1.0s			
SNY	Shenyang	54.16 334	P	P	17 22 40.7	-2.5
SNY	comp=Z,280nm,7.8s		S	S	17 30 13.5	-5.7
SNY	comp=Z,480nm,17.1s		pmax	pmax		
SNY	comp=Z,310nm,17.1s		LR	LR		
SNY	comp=Z,640nm,14.7s		LR	LR		
CHAI	Chaiyaphum	54.23 294	P	P	17 22 44.4	+0.2
ENH	Enshi	54.45 314	P	P	17 22 43.9	-1.7
ENH	comp=Z,25nm,1.0s		I Amb	I Amb	17 24 02.4	
SLVN	Son La	54.55 301	P	P	17 22 44.6	-1.9
GYA	Guayang	54.58 308	eP	P	17 22 48.5	+1.8
GYA	comp=Z,8.0nm,0.6s		S	S	17 30 25.0	-0.7
GYA	comp=Z,340nm,9.0s		pmax	pmax		
GYA	comp=Z,510nm,15.4s		LR	LR		
GYA	comp=Z,480nm,16.9s		LR	LR		
GYA	comp=Z,690nm,19.6s		LR	LR		
LYN	LuoYang	54.95 320	P	P	17 22 50.1	+1.0
LYN	comp=Z,380nm,7.1s		S	S	17 30 29.3	-0.9
LYN	comp=Z,1um,17.5s		sS	sS	17 30 37.8	+0.7
LYN	comp=Z,1um,15.7s		LR	LR		
LYN	comp=Z,2um,17.5s		LR	LR		
CN2	Changchun	55.00 337	eP	P	17 22 50.2	+0.9
CN2	comp=Z,10.0nm,1.2s		S	S	17 34 14.0	+1.9
CN2	comp=Z,200nm,8.0s		pmax	pmax		
CN2	comp=Z,400nm,15.0s		LR	LR		
CN2	comp=Z,400nm,15.0s		LR	LR		
CN2	comp=Z,400nm,17.0s		LR	LR		
GSI	Gunungsitoli	55.05 276	P	P	17 22 49.2	-1.1
GSI	comp=Z,66nm,1.7s		I Amb	I Amb	17 23 34.8	
HNS	HongShan	55.43 324	P	P	17 22 52.4	-0.1
HNS	comp=Z,21nm,1.5s		S	S	17 30 37.6	+1.1
HNS	comp=Z,370nm,6.5s		pmax	pmax		
HNS						

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like MA2 Magadan, BRDH Bariahdaha, G7A Gaotai, etc.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like Q16K King Salmon, WMQ Urumqi, L15K Ungalak Mounta, etc.

Table with columns: Station ID, Name, Comp, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like H20K Anotleneega Mo, MAK2 Makanchi, C18K Utukok River, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station Type, and Status. Includes stations like QSPA South Pole Qui, PRP Porcupine Dome, B22K Teshekpak Lake, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station Type, and Status. Includes stations like C26K Camden Bay, M30M Milto, N31M Braeburn, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station Type, and Status. Includes stations like E09A Wood Farm, BMO Blue Mountains, VA02 Isla de Pascua, etc.

NEIC 12 17:14:05.7, 69.21N: 144.56W, h9km
AEIC 12 17:14:07.0, 2.7, 69.13N: 0.02: 144.65W, 0.09, h13km, 1km,
ML4.2, mb4.2/9(NEIC), ML4.3/84(NEIC), Mw4.1/21(NEIC),
Error ellipse: s-maj=4.4km s-min=3.0km az=93.0
NEIC 12 17:14:07.3, 2.9, 69.14N: 0.03: 144.61W, 0.06, h10km, 1km,
Error ellipse: s-maj=4.9km s-min=3.3km az=39.0
Moment Tensor Solution. Moment tensor: Scale: 10^15Nm;
Mn: 0.30; Mw: 0.38; Ms: 0.08; Md: 0.38; Mv: 1.75; Mw: 0.01;
Fault plane solution: M: 1.82000x10^15 NP1:
phi=183.89000°, 877.33000°, 2.58000°. NP2: phi=93.32000°,
delta7.48000°, lambda167.32000°. Principal axes: T 1.6617,
Plg71.0000°, Azm48.0000°; N 0.2840, Plg77.0000°,
Azm262.0000°; P -1.9457, Plg7.0000°, Azm139.0000°;
IDC 12 17:14:08.8, 0.9, 69.47N: 144.30W, h0km, mb3.9/15,
mbtmp3.9/18, ML4.0/3, MS3.8/4 Error ellipse:
s-maj=28.1km s-min=13.5km az=43.0
ISC 12 17:14:07.0, 1.1, 69.15N: 0.02: 144.58W, 0.02, h5km, 7km,
#190, #146/190, mb4.1/20, MS3.4/3, Northern Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station Type, and Status. Includes stations like C27K Jago River, D25K Kavik River, E25K Arctic Village, etc.

12d 17h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes stations like F24K Squaw Lake, E23K Chandalar, G26K Porcupine River, etc.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes stations like EGAK comp=E,202nm,1.4s, EGAK comp=E,182nm,1.0s, CCB Clear Creek Bu, etc.

700

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other details. Includes stations like HHC Hu-ho-hao-te, MKAR Makanchi Array, AKASO Eagle Array, etc.

NEIC 12 17:15:22.2, 1.7, 5:76S, 0:08, 152:1E, 0:1, h27km, 5km, mb5.2/65, Error ellipse: s-maj=17.7km s-min=11.8km

IDC 12 17:15:24.9, 4.5, 5:68S, 152:07E, h59km, 38km, mb4.5/19, mbmt4.8/20, ML2.7/1, MS4.7/3, Error ellipse: s-maj=26.9km s-min=16.5km az=95.0

ISC 12 17:15:23.4, 0.4, 5:74S, 0:06, 152:13E, 0:08, h45km, n99, 0:0599/100, mb5.1/47, MS4.7/3, New Britain region

Table with columns: Code, Station Name, Frequency, Mode, Power, Direction, and other details. Includes stations like RABL Rabaul, PMG Port Moresby, EIDS Eidsvold, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TATO Taipei, ICHU Yijhu, NSY Sanyi, WSSB Gushan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JAGO River, Kavik River, Camden Bay, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MAYO Mayo, Yukon, M24K Tolsona, Glenn, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SMRT, IGPR, SABA, ECPR, etc.

GCJ 12 18:50:53.6z, 2.167N:90:90W, h25km, 80km, MD4.8, Hypocentre not reviewed by the ISC
IDC 12 18:50:58.8z, 1.1, 13.87N:89:95W, h0km, mb4.0/8, mbmp4.0/11, ML4.0, MS3.7/3, Error ellipse: s-maj=42.9km s-min=15.2km az=41.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NUBE, ESSG, LOAL, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRDY, TXAR, OZNA, WLAB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKI, BKTR, KBYG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res. Includes stations like Rabaul, Port Moresby, Honiara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res. Includes stations like Beaver Creek, Chuyangaron, Simigan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res. Includes stations like Monobe, Matsuhiro, Suanglung, etc.

Additional text at the bottom of the page, possibly a footer or additional data.

s-min=15.4km az=173.0
DJA 12:20:18:44.6:1.1,7.2,S:2:13°13'E, h25km,10km, M4.7/13,
mB5.1/6, mb4.8/10, MLV4.9/13, Mw(mB)4.5/6
NEIC 12:20:18:46.9:1.9,6.56S:0.06x130:55E:0.08, h113km,8km,
mb4.4/28, Error ellipse: s-maj=11.9km s-min=9.0km
az=81.0

ISC 12:20:18:44.7:0.4,6.64S:0.04x130:49E:0.04, h100km, n109,
a=138/112, mb4.4/29, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

Table with columns: PZH, comp, Z, 10m, 0.6s, pmax, pmax. Lists seismic events with station codes and magnitudes.

ISK 12:20:39:30.3, 37.94N-27.07E, h8km, ML2.1/9
AFAD 12:20:39:30.5, 37.92N-27.09E, h7km, 2km, ML1.7, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the Turkey event.

IDC 12:20:40:33.6:0.8, 37.58N-20.53E, h0km, mb4.0/18,
mbmp3.9/28, ML3.8/10, MS3.3/6, Error ellipse:
s-maj=14.6km s-min=12.3km az=177.0
ATH 12:20:40:35.4, 37.62N-20.30E, h9km, 2km, ML3.9/14, Error
ellipse: s-maj=2.6km s-min=1.0km az=39.0
PDG 12:20:40:35.9:0.5, 37.64N-20.29E, h8km, 1km, ML4.0/12,
Error ellipse: s-maj=1.7km s-min=1.7km az=0.0
NEIC 12:20:40:35.2:2.1, 37.49N-0.06:20:40E:0.05, h10km, 1km,
mb4.5/19, Error ellipse: s-maj=9.7km s-min=7.1km
az=169.0
THE 12:20:40:36.0, 37.61N-20.38E, h1km, 3km, ML3.9/13, Error
ellipse: s-maj=4.7km s-min=0.7km az=227.0
BEO 12:20:40:40.8:0.9, 37.97N-20.44E, h0km, ML3.8/6
NAO 12:20:40:54.5, 39.54N-20.45E, h10km, mb4.4
ISC 12:20:40:35.9:1.1, 37.62N-0.03:20:35E:0.03, h17km, 6km,
n217, a1972/272, mb4.1/20, MS3.8, 21C-14D, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the Ionian Sea event.

Table with columns: FSK, comp, N, 9460um, 0.5s, AML, AML, 20 41 10.3. Lists seismic stations and their recorded data.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include STON, PAOL, SJES, etc., listing various stations and their coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include KBZ, ESBB, ESBC, etc., listing stations and their coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Rows include SAUI, SOEI, SOEI, etc., listing stations and their coordinates.

Table with columns: IAR, Eielson Array, 82.73 22 P, P, 22 00 38.5 -0.7, etc.

BUI 12:21:48.41, 0.7, 41S, 129.41E, h136km, mB5, 0/24, mb4, 9/71
MOS 12:21:48.42, 6.0, 7.7, 19S, 129.29E, h132km, mb4, 8/44, Error
elliptic: s-maj=13.1km s-min=5.6km az=115.4

IDC 12:21:48.42, 3.1, 6.7, 23S, 129.26E, h112km, 14km, mb4, 4/25,
mtmp4, 9/31, M53, 6/10, Error ellipse: s-maj=12.1km
s-min=9.5km az=94.0

NEIC 12:21:48.43, 4.1, 6.7, 23S, 0.06, 129.21E, 0.06, h17km, 5km,
mb5, 0/79, Error ellipse: s-maj=8.4km s-min=8.3km
az=130.0

DJA 12:21:48.43, 9.0, 2.7, 5.2, 2*12.9E, h121km, 2km, M4, 9/78,
mb5, 1/78, mB5, 3/37, ML5, 5/19, Mw(mB)4, 8/37,
MwMwp4, 5/3, Mwp4, 9/3

GCMT 12:21:48.45, 4.0, 3.7, 21S, 0.03, 129.27E, 0.03, h133km, 5km,
MW4, 8/72, Moment Tensor Solution. s9, c12, s72, c100;
Duration: 0 Moment tensor: Scale 10^19Nm; Mr1, 1.4, 10;
Mw-1.82, 11; Mw-0.68, 12; Mw-0.71, 07; Mw-0.58, 11;
Mw-1.09, 08; Best double couple: M2, 12900, 1016;
NP1=0.315, 00000; NP2=0.147, 00000; NP3=0.68, 00000;
NP4=0.65, 00000; NP5=1.46, 00000; Principal axes: T
2.2310, Plg49, 00000; Azm290, 00000; N -0.2020,
Plg39, 00000; Azm90, 00000; P -0.2020, Plg10, 00000;
Azm188, 00000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 12:21:48.43, 2.0, 4.7, 30S, 0.03, 129.25E, 0.04, h124km, 4km,
h122km: p-P, n441, c1835/461, mb4, 9/127, 16C-14D

Main table with columns: Code, Station Name, Lat, Lon, Phase ID, Time, Res, etc.

Main table with columns: PLAI, PIAMP, PLAI, PIAMP, GENI, Genyem, etc.

Main table with columns: MDSI, Maura Dua, BBOO, Buckleboo, BBOO, Buckleboo, etc.

12d 23h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 22:10:35.0-1.8, 33.73N-71.89E, h0km, mb3.8/4, mbtmp3.77, ML3.2/3, MS3.8/1, Error ellipse: s-maj=37.0km s-min=30.8km az=7.0

ISC 12 22:10:40.7-1.6, 33.39N-02.72E, h0.2, h35km, n8, c080/80, mb3.8/4, Pakistan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 22:22:34.8-2.1, 11.65S-118.02E, h0km, mb3.6/1, mbtmp3.3/4, ML3.3/3, Error ellipse: s-maj=73.7km s-min=27.1km az=52.0, South of Sumbawa

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 22:27:00.4-1.3, 5.87S-154.62E, h0km, mb3.4/5, mbtmp3.4/5, Error ellipse: s-maj=57.4km s-min=30.3km az=119.0

ISC 12 22:27:09.0-1.2, 5.9S-02.154.5E, h0.4, h61km, n6, c0876/7, mb3.2/5, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

WEL 12 22:37:42.5-0.3, 0.2-17.5E, h27km, 3km, M3.7/16, ML4.0/16, MLV3.7/16, Error ellipse: s-maj=3.2km s-min=2.2km az=72.1

NOU 12 22:37:43.4, 39.99S-174.94E, h37km, MLV3.7/22, North Island, New Zealand

ISC 12 22:37:42.8-1.0, 39.99S-0.02-174.96E, h0.02, h33km, 3km, n152, c088/185, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 23:09:54.7-6.3, 6.63S-131.12E, h233km, 70km, mb2.9/1, mbtmp3.1/3, Error ellipse: s-maj=123.2km s-min=27.1km az=75.0, Tanimbar Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 23:21:53.7-0.7, 44.73N-35.23E, h0km, mb3.3/4, mbtmp3.3/9, ML3.2/5, MS2.3/1, Error ellipse: s-maj=12.6km s-min=7.9km az=27.0

CFUSG 12 23:21:54.9, 44.66N-35.34E, h25km, Black Sea District 4 MOS 12 23:21:54.9, 44.64N-35.33E, h14km, MPVA3.9

AFAD 12 23:21:59.0, 44.54N-35.55E, h35km, ML3.2, ISC 12 23:21:54.9-1.1, 44.66N-0.03-35.34E, h18km, 5km, n150, c134/196, mb3.3/4, 24C-12D, Crimea region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 23:09:54.7-6.3, 6.63S-131.12E, h233km, 70km, mb2.9/1, mbtmp3.1/3, Error ellipse: s-maj=123.2km s-min=27.1km az=75.0, Tanimbar Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 23:09:54.7-6.3, 6.63S-131.12E, h233km, 70km, mb2.9/1, mbtmp3.1/3, Error ellipse: s-maj=123.2km s-min=27.1km az=75.0, Tanimbar Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 23:21:53.7-0.7, 44.73N-35.23E, h0km, mb3.3/4, mbtmp3.3/9, ML3.2/5, MS2.3/1, Error ellipse: s-maj=12.6km s-min=7.9km az=27.0

CFUSG 12 23:21:54.9, 44.66N-35.34E, h25km, Black Sea District 4 MOS 12 23:21:54.9, 44.64N-35.33E, h14km, MPVA3.9

AFAD 12 23:21:59.0, 44.54N-35.55E, h35km, ML3.2, ISC 12 23:21:54.9-1.1, 44.66N-0.03-35.34E, h18km, 5km, n150, c134/196, mb3.3/4, 24C-12D, Crimea region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 23:09:54.7-6.3, 6.63S-131.12E, h233km, 70km, mb2.9/1, mbtmp3.1/3, Error ellipse: s-maj=123.2km s-min=27.1km az=75.0, Tanimbar Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 23:09:54.7-6.3, 6.63S-131.12E, h233km, 70km, mb2.9/1, mbtmp3.1/3, Error ellipse: s-maj=123.2km s-min=27.1km az=75.0, Tanimbar Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

IDC 12 23:21:53.7-0.7, 44.73N-35.23E, h0km, mb3.3/4, mbtmp3.3/9, ML3.2/5, MS2.3/1, Error ellipse: s-maj=12.6km s-min=7.9km az=27.0

CFUSG 12 23:21:54.9, 44.66N-35.34E, h25km, Black Sea District 4 MOS 12 23:21:54.9, 44.64N-35.33E, h14km, MPVA3.9

AFAD 12 23:21:59.0, 44.54N-35.55E, h35km, ML3.2, ISC 12 23:21:54.9-1.1, 44.66N-0.03-35.34E, h18km, 5km, n150, c134/196, mb3.3/4, 24C-12D, Crimea region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station ID, Time, Residual, and other parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Tuzandepeti, Sontecomapan, Yosondua, Comitan, etc.

Table with columns: AML, Almayashu, Karagaybulak, Ala-Archa, Tokmak 2, Kastek, etc. Lists various station codes and their details.

Table with columns: BKZ, DZM, DZM, DZM, DZM, etc. Lists station codes and their details, including Black Stump Fm, Mont Dzumac, etc.

SOME 13 00:30:19.5, 39°50'N; 75°87'E, h5km
NVC 13 00:30:21.4±2.9, 39°50'N; 75°72'E, h0km, mb3.8, mpv3.5,
Error ellipse: s-maj=21.1km s-min=14.6km az=155.0

NEIC 13 00:34:43.0 1.7, 27°23'S; 0°04'177.4W; 0.1, h10km±1km,
mb4.9/20, Error ellipse: s-maj=17.7km s-min=5.3km
az=102.0

IDC 13 00:34:42.0 0.5, 27°16'S; 177°55'W, h0km, mb4.4/16,
mbmp4.3/20, ML3.9/3, MS3.9/13, Error ellipse:
s-maj=19.1km s-min=14.4km az=94.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Sufi-Kurgan, Salom-Alik, Osh, Aral, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Raoul Island, Raoul Island, Raoul Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Magadan, HongShan, Alpine, etc.

13d 1h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KSH, KSH, KSH, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ARTI, ARTI, ARTI, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like AKASG, Malin Array Be, Kiev, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like KAPI, BSS1, BKB, GENI, JAY, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like BTO, Baotou, BTO, BTO, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like D24K, F24K, G24K, ILAR, etc.

IDC 13 01:39:26.24±.5, 29°58'S×141°95'E, h0km, mbtmp2.9/3, ML3.0/3, Error ellipse: s-maj=84.9km s-min=21.8km az=74.0

AUST 13 01:39:31.8±.0, 4.30°S×3°14'2"E, h10km, ML2.8/7, Error ellipse: s-maj=9.6km s-min=6.9km az=98.5

ISC 13 01:39:24.9±.0, 29°64'S×104°4'14.203E±0.06, h10km, n14, e±21/18, New South Wales

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like INKA, STKA, etc.

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like LCRK, GMS, etc.

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like WRA, WRA, etc.

NEIC 13 01:45:17.0±2.9, 37°12'N×101°0'10.453W±0.02, h5km, 4km, ML1.1/13, Error ellipse: s-maj=2.6km s-min=1.4km az=98.0, Colorado

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like T25A, T25A, etc.

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like SDCC, SDCC, etc.

IDC 13 01:47:45.6±2.8, 4.95N-132°09E, h0km, mb3.5/5, mbtmp3.5/5, Error ellipse: s-maj=185.5km s-min=21.5km az=72.0, Western Caroline Islands

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like WRA, WRA, etc.

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like ASAR, ASAR, etc.

ISK 13 01:54:41.4, 38°61'N-39°29'E, h19km, ML2.1/11 AFAD 13 01:54:42.0, 38°59'N-39°42'E, h7km, 2km, ML2.6

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like PTK, PTK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR, JNU, NJ2, PSI, CMAR, HNR, KRSR, MJAR, PZH, XAN, HNS, STKA, LZH, HHC, XLT, GTA, SOMM, MK31, MKAR, MAKZ, ZAAO, KURK, GAR, KKAR, TIXI, BVAR, BRVK, NRKI, ABKAR, GNI, TOLK, ILAR, TORD, and various array names like WRA, FITZ, ASAR, MKAR.

IDC 13 02:58:39.4,3.2,5.02S:13372E, h0km, mb3.6/1, mbtmt3.8/4, ML3.7/2, Error ellipse: s-maj=130.6km s-min=31.2km az=82.0, Aru Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, FITZ, ASAR, MKAR.

SFS 13 03:07:40.3,35.45N:4.65W, h39km, ML2.4/7, ML2.5/7, ML2.6/7

INMG 13 03:07:40.2, 1.5, 35.47N:4.66W, h31km, ML1.8, Error ellipse: s-maj=5.6km s-min=5.0km az=78.0, #DIST_RANGE: REGIONAL #IPMA_REGION: SE Tetuan (MARR)

CNMR 13 03:07:41.7, 35.16N:4.72W, h58km, ML1.8, MDD 13 03:07:41.4, 1.3, 35.73N:4.71W, h8km, 3km, mb_Lg2.2/7, Error ellipse: s-maj=8.6km s-min=5.2km az=165.0

ISC 13 03:07:37.6-1.2, 35.48N:0.03, 4.65W:0.03, h22km, gkm, n49, r159/65, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SMIR, PALE, PALE, EJIF, EJIF, EMAL, ELGU, EGOR, ESPR, LCRM, LCRM, IFR, IFR, JBK, JBK, MD31, MD31, ZHG, ZHG.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MDT, ECAB, ECAB, EADA, EADA, EMIN, EMIN, EGRO, EGRO, PVAO, PVAO, PBDV, PBDV, PBAR, PBAR, PBAR, PBAR, PSIM, PSIM, PCVE, PCVE, PCVE, PCVE, PBEJ, PBEJ, MORF, MORF, MORF, MORF, MESJ, MESJ, MESJ, MESJ, PFVI, PFVI, EBAD, EBAD, EBAD, EBAD, PAB, PAB, PAB, PAB, PESTR, PESTR, PESTR, PESTR, PMRV, PMRV, PMTG, PMTG, EPLA, EPLA.

NNC 13 03:13:45.3, 7.9, 37.08N: 73.30E, h39km, 290km, mb4.0, mpv3.9, Error ellipse: s-maj=72.8km s-min=57.3km az=149.0

IDC 13 03:13:53.0, 1.5, 38.25N:73.99E, h0km, mb3.7/9, s-min=18.3km az=146.0

ISC 13 03:13:49.1, 5.37, 35.80N:1.73, 5E:0.1, h10km, n20, mpv3.9, mb3.8/3, 3C-4D, Tajikistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK, AAK, CHMS, CHMS, TKM2, TKM2, TKM2, KK31, KK31, KK31, MKAR, MKAR, KURBK, KURBK, AB31, AB31, BVAR, BVAR, AKTO, AKTO, ZALV, ZALV, SOMM, SOMM, AKASG, AKASG, FINES, FINES, ARCES, ARCES, HFS, HFS, NOA, NOA, PETK, PETK, TORD, TORD, YKA, YKA.

IDC 13 03:58:59.1, 36.0, 13.86S: 170.60E, h0km, mb4.2/4, mbtmt3.4/4, MS2.7/1, Error ellipse: s-maj=628.7km s-min=105.2km az=70.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM, STKA, WRA, ASAR, FITZ, ARCES, BATI, FITZ, FITZ, WRA, ASAR, ASAR, MKAR.

IDC 13 04:07:10.5, 6.6, 7.38S: 129.56E, h180km, 64km, mb3.0/1, mbtmt3.4/5, Error ellipse: s-maj=78.6km s-min=24.7km az=57.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BATI, FITZ, FITZ, WRA, ASAR, ASAR, MKAR, CARR, CARR, PCIG, PCIG.

GCG 13 04:09:23.6: 1.3, 16.28N: 94.19W, h89km, 19km, MD4.9, Hypocentre not reviewed by the ISC

MEX 13 04:09:25.5: 1.0, 16.19N: 94.15W, h88km, 7km, MD4.3

IDC 13 04:09:26.8: 3.9, 16.53N: 93.88W, h91km, 11km, mb3.4/4, mbtmt3.7/5, Error ellipse: s-maj=60.4km s-min=16.0km az=176.9

ISC 13 04:09:24.9: 0.9, 16.22N: 0.05, 94.10W: 0.03, h97km, 7km, n36, r254/60, mb3.6/4, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CARR, CARR, PCIG, PCIG.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FAKI, LUWI, LUWI, MRSI, APSI, TOL12, KDI, TANA, TANA, SPSI, KAPI, KAPI, KAPI, JAY, MTN, PLAI, SBUM, KNRA, KNRA, FITZ, FITZ, WBO, WBO, WRA, WRA, WBA, WBA, MBWA, MBWA, ASAR, ASAR, CMAR, CMAR, KRSR, KRSR, MJAR, MJAR, BBOO, BBOO, STKA, STKA, STKA, STKA, USKR, USKR, SOMM, SOMM, MK31, MK31, MKAR, MKAR, KSH, KSH, TCW, ZALV, KURBK, BVAR, E18K, C18K, D19K, ILAR, ARCES, GSPA, IDC 13 03:58:59.1, 36.0, 13.86S: 170.60E, h0km, mb4.2/4, mbtmt3.4/4, MS2.7/1, Error ellipse: s-maj=628.7km s-min=105.2km az=70.0, Vanuatu Islands region

IDC 13 03:58:59.1, 36.0, 13.86S: 170.60E, h0km, mb4.2/4, mbtmt3.4/4, MS2.7/1, Error ellipse: s-maj=628.7km s-min=105.2km az=70.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM, STKA, WRA, ASAR, FITZ, ARCES, BATI, FITZ, FITZ, WRA, ASAR, ASAR, MKAR.

IDC 13 04:07:10.5, 6.6, 7.38S: 129.56E, h180km, 64km, mb3.0/1, mbtmt3.4/5, Error ellipse: s-maj=78.6km s-min=24.7km az=57.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BATI, FITZ, FITZ, WRA, ASAR, ASAR, MKAR, CARR, CARR, PCIG, PCIG.

GCG 13 04:09:23.6: 1.3, 16.28N: 94.19W, h89km, 19km, MD4.9, Hypocentre not reviewed by the ISC

MEX 13 04:09:25.5: 1.0, 16.19N: 94.15W, h88km, 7km, MD4.3

IDC 13 04:09:26.8: 3.9, 16.53N: 93.88W, h91km, 11km, mb3.4/4, mbtmt3.7/5, Error ellipse: s-maj=60.4km s-min=16.0km az=176.9

ISC 13 04:09:24.9: 0.9, 16.22N: 0.05, 94.10W: 0.03, h97km, 7km, n36, r254/60, mb3.6/4, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CARR, CARR, PCIG, PCIG.

723

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, SNR, and other details. Includes stations like Jago River, Sheenjek River, Tolson Glenn, etc.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, SNR, and other details. Includes stations like Makanchi Array, Kurchatov, Paulutuk, etc.

13d 5h

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, SNR, and other details. Includes stations like SHL, PHRAE, EKS2, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like PUL Pulukovo, FIA1 FINES, FFF Flin Flon, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like RSSD Black Hills, SUW Suwalki, AKASO Malin Array Be, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like ISR Istrita, VYHS Vyhne, VRAC Vranov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NRCA, SSB, 435B, WVT, WWT, RAYN, etc.

IDC 13 05:15:34.71.1, 13.01Sx45.49E, h0km, mb3.6/5, mbtmp3.7/6, ML4.3/2, MS2.9/1, Error ellipse: s-maj=39.1km s-min=24.3km az=48.0

NEIC 13 05:15:35.4.12, 12.79Sx0.08x45.40E:0.07, h10km, 1km, mb5.1/10, Error ellipse: s-maj=14.5km s-min=10.4km bz=156.0

ISC 13 05:15:34.8.0.5, 12.93Sx0.06x45.49E:0.08, h10km, n32, s1996/36, mb4.6/10, Northwest of Madagascar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OPO, AMBOHIDRATOMPO, FIRM, etc.

IDC 13 05:43:20.2.2.1, 54.65N:164.92E, h0km, mb3.3/6, mbtmp3.3/7, ML2.0/1, Error ellipse: s-maj=68.1km s-min=20.6km az=167.0

KRSC 13 05:43:23.6.1.0, 54.81N:164.80E, h48km, 26km, M13.6

ISC 13 05:43:26.1.0.9, 54.88N:164.88E:0.06, h34km, n21, s0593/24, mb3.2/6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI, KBTR, BZWR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURBB, MKAR, BVAR, TXAR, etc.

IDC 13 05:44:07.7.1.1, 10.38Sx161.44E, h89km, 8km, mb3.5/7, mbtmp3.9/8, MS3.1/1, Error ellipse: s-maj=21.1km s-min=11.4km az=44.0

NOU 13 05:44:07.3, 10.54S:161.45E, h22km, ML4.8/13, Solomon Islands

NEIC 13 05:44:07.8.1.6, 10.2S:2x161.7E:0.1, h77km, 16km, mb4.1/13, Error ellipse: s-maj=31.6km s-min=12.5km

ISC 13 05:44:06.7.0.5, 10.50S:0.05x161.57E:0.05, h61km, n35, s2534/40, mb4.0/13, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HURO, NGAO, HNR, etc.

IDC 13 06:03:00.9.0.0, 9.1N:1.77W, h20km, 2km, M2.5, mb3.7, ML2.3, Panama-Columbia border region

ISC 13 06:06:44.7.3.3, 23.48N:144.01E, h0km, mb3.5/6, mbtmp3.5/6, Error ellipse: s-maj=142.3km s-min=23.8km az=78.0, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, WBB, WBA, etc.

IDC 13 06:06:44.7.3.3, 23.48N:144.01E, h0km, mb3.5/6, mbtmp3.5/6, Error ellipse: s-maj=142.3km s-min=23.8km az=78.0, Volcano Islands region

IDC 13 06:26:11.3.7.9, 51.03N:109.12E, h0km, mbtmp2.0/1, ML2.2/1, Error ellipse: s-maj=67.6km s-min=53.7km az=122.0, Lake Baykal region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, SONM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJAR, XAN, EIDS, BBOO, LZH, etc.

IDC 13 06:26:11.3.7.9, 51.03N:109.12E, h0km, mbtmp2.0/1, ML2.2/1, Error ellipse: s-maj=67.6km s-min=53.7km az=122.0, Lake Baykal region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CAPC, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, MSVF Nonsavu, ASAR Alice Springs, and CMAR Chiang Mai Arr.

IDC 13 06:27:15.4, 10.0, 22.78S; 177.75W, h510km, 70km, mb3.5/3, mbtmp4.3/4, Error ellipse: s-maj=173.4km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GVD Gavdhos, ANKY Antikythira Is, and VLI Velial.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GJG Gajdar, GJG Gajdar, and GJG Gajdar.

DJA 13 06:43:04.7, 0.4, 7.5; 106.87E, h172km, 14km, mb3.5/5, mbtmp4.0/5, MS3.8/1, Error ellipse: s-maj=80.4km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKU Sukabumi, SBJ Serang, CGJ Cibinong, and ASAR Alice Springs.

IDC 13 07:25:58.3, 2.0, 5.39N; 125.91E, h0km, mb3.5/5, mbtmp3.5/5, Error ellipse: s-maj=242.5km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, and MKAR Makanchi Array.

NIED 13 07:33:32.4, 0.3, 0.09N; 139.29E, h453km, MW4.4, Moment Tensor Solution...

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHCJ Hachijojimakas, JHUJ Mitsue, and JHMJ Mikurajimianish.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHCJ Hachijojimakas, JHUJ Mitsue, and JHMJ Mikurajimianish.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHCJ Hachijojimakas, JHUJ Mitsue, and JHMJ Mikurajimianish.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHCJ Hachijojimakas, JHUJ Mitsue, and JHMJ Mikurajimianish.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHCJ Hachijojimakas, JHUJ Mitsue, and JHMJ Mikurajimianish.

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YSS comp=Z, 240m, 1.2s, YSS comp=Z, 100m, 4.0s, and YSS comp=Z, 11m, 0.6s.

Table with columns: DRS, Darwin Rock St, 42.93 191, P, P, 07 40 54.4 -0.2, BOOM Booms koye usch, 51.14 302, P, P, 07 41 57.6 +0.5

Table with columns: BOOM Booms koye usch, 51.14 302, P, P, 07 41 57.6 +0.5, BOOM Booms koye usch, 51.14 302, P, P, 07 41 57.6 +0.5

Table with columns: B22K Teshekpuk Lake, 54.54 23, P, P, 07 42 20.9 +0.2, CAPN Captain Cook N, 54.56 34, P, P, 07 42 21.6 +0.5

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 731-800.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 800-900.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 900-1000.

Table with columns: Code, Station Name, Az, El, P, Res, and various other parameters. Includes stations like HFEM San Felipe, HTUM Tustin Road, etc.

Table with columns: Code, Station Name, Az, El, P, Res, and various other parameters. Includes stations like USRK Ussuriysk Arr, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, El, P, Res, and various other parameters. Includes stations like EBAD Badajoz, PESTR Estremoz, etc.

NEIC 13 09:47:35.5:0.9,37:34N:0:01:115:704W:0:006,

h5km,1km, Error ellipse: s-maj=2.7km s-min=2.1km az=139.0

REN 13 09:47:35.6±0.8,37.33N,0°01'115.72W,0°02',h4km,3km, ML2.5/32,ML2.2/34(NIC), Error ellipse: s-maj=2.2km s-min=1.3km az=119.0, Southern Nevada

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Rachel, CP-1, Numbskull Pass, etc.

IDC 13 10:19:27.7±1.4, 18°25'S, 178°29'W, h581km, 9km, mb3.5/17, mbtmp4.4/19, Error ellipse: s-maj=15.9km s-min=11.0km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Nonsavu, URZ, WRA, ASAR, etc.

IDC 13 09:56:09.4±7.5, 18°27'S, 178°03'W, h576km, 31km, mb2.9/3, mbtmp3.7/4, Error ellipse: s-maj=231.9km s-min=32.1km az=141.0, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Nonsavu, WRA, ASAR, ILAR, etc.

IDC 13 10:17:53.8±1.9, 11°16'S, 166°11'E, h0km, mb4.0/5, mbtmp3.9/5, MS3.5/4, Error ellipse: s-maj=49.3km s-min=42.3km az=67.0, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like HNR, CTA, WRA, ASAR, etc.

NEIC 13 10:29:27.7±1.4, 18°25'S, 178°29'W, h581km, 9km, mb3.5/17, mb4.4/2, Error ellipse: s-maj=18.2km s-min=15.6km az=136.0

NOU 13 10:29:27.5, 18°19'S, 178°07'W, h569km, mb4.3/49, Fiji Islands Region

IDC 13 10:29:29.2±1.0, 18°11'S, 178°29'W, h581km, 9km, mb3.5/17, mbtmp4.4/19, Error ellipse: s-maj=15.9km s-min=11.0km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Tubou, Taveuni, Nonsavu, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like WRA, ASO1, AS31, ASAR, etc.

13d 10h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CLL Collin, UPC Ulice, STEB Steborice, etc.

KRNET 13 10:35:14.1±0.1, 42°82'N-77°44'E, h18km, mb3.2
NNC 13 10:35:14.2±0.4, 42°84'N-77°47'E, h0km, 2km, mb3.3
mpv3.5, Error ellipse: s-maj=3.9km s-min=1.4km az=179.0

SOME 13 10:35:14.6, 42°83'N-77°43'E, h10km
KNET 13 10:35:15.9±0.4, 42°80'N-77°28'E, h8km, 2km, ml2.6, Error
ellipse: s-maj=3.8km s-min=2.3km az=155.0

ISC 13 10:35:14.3±0.9, 42°85'N-0°02'-77°46'E, 0.01, h14km, 7km,
n76, e1504/144, 33Z-22D, Lake Issyk-Kul region

Main table for station 13d 10h, listing codes, station names, azimuths, elevations, phase IDs, times, and residuals.

2019 JAN

Main table for station 2019 JAN, listing codes, station names, azimuths, elevations, phase IDs, times, and residuals.

IDC 13 10:36:24.7±0.6, 20°58'N-143°90'E, h0km, mb4.1/20,
mbmp4.1/21, ML, 1.91, MS3.9, Error ellipse:
s-min=20.9km s-min=14.9km az=78.0

ISC 13 10:36:28.7±0.6, 20°6'N-0°11'-143°9'E, 0.2, h26km, n33,
o092/28, mb4.2/23, MS3.2/8, Mariana Islands region

Small table at the bottom of the 2019 JAN section with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

736

Main table for station 736, listing codes, station names, azimuths, elevations, phase IDs, times, and residuals.

ROM 13 10:45:26.6±0.1, 42°81'N-0°02'-12°805'E±0'003,
h11km, ML1.1/18, 1C, Error ellipse: s-maj=0.2km
s-min=0.2km az=267.0, Central Italy

Main table for station ROM 13 10:45:26.6, listing codes, station names, azimuths, elevations, phase IDs, times, and residuals.

WEL 13 10:46:32.9±0.7, 43°S-8°17'9E±1, h33km, M3.6/5,
ML3.8/12, MLV3.6/5, Error ellipse: s-maj=11.0km
s-min=4.1km az=29.1, Off east coast of South Island

Small table at the bottom of the 736 section with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

0.3nm,0.7s,baz=308,slow=4.1,SNR=3.0
TXAR Lajitas Array 90.06 52 P
0.2nm,0.5s,baz=318,slow=3.3,SNR=2.1
0.2nm,0.5s

IDC 13 12:04:27.1±0.8,37.14N;141.43E,h0km,mb3.6/12,
mbtmp3.5/16,ML2.9/4,MS2.8/1,Error ellipse:
s-maj=19.5km s-min=14.9km az=158.0

JMA 13 12:04:29.6±0.2,37.22N;141.36E,h2km,mb3.6/12,
MV3.6/40,E OFF FUKUSHIMA PREF

JMA Feil J1 at E OFF FUKUSHIMA PREF
NIED 13 12:04:29.6±0.3,37.24N;141.36E,h2km,mb3.7/MW3.7,Moment
Tensor Solution s3 Moment tensor: Scale 10^14Nm

Mn: 3.69; Mw: 2.19; Ms: 1.49; Mb: 1.24; Md: 0.95;
Fault plane solution: M3.83000x10^14 NP1:52.00000°,
δ33.00000°,λ-91.00000°. NP2:φ232.00000°,δ57.00000°,
λ-90.00000°

ISC 13 12:04:28.4±1.9,37.19N;0.05±141.40E;0.07,h8km,11km,
n26,φ087/33,mb3.5/12,Near east coast of eastern

Honshu
Code Station Name Δ° AZ° Phase ID Time Res
JFK Kawauchi 0.45 293 i P Sg 12 04 37.8 -0.9

ASAJ Asahikawa 6.98 7 Pn 12 06 09.9 -1.0
USRK Ussuriysk Ar. 10.00 317 Pn 12 06 54.2 +1.9
KSRS Korea Array 10.73 275 Pn 12 07 04.4 +2.0

SOMN Songoing Array 27.69 304 P 12 10 17.7 +0.7
ZALV Zalesovo Beam 41.80 312 P 12 12 18.2 0.0
MKAR Makanchi Array 44.02 302 P 12 12 35.6 -0.8

ILAR Eielson Array 49.37 32 P 12 13 18.6 +0.5
WRA Warramunga Arr 57.22 188 P 12 14 15.7 -0.5
ASAR Alice Springs 60.94 188 P 12 14 40.7 -1.3

YKA Yellowknife Arr 63.68 30 P 12 15 00.3 +0.5
FINES FINESS Array B 66.87 332 P 12 15 31.9 -0.1
AKASG Malin Array Be 74.16 322 P 12 16 04.6 -0.7

NVAR Mina Arr Be 74.90 53 P 12 16 11.3 +1.2
PDAR Pinedale Array 77.56 45 P 12 16 26.1 +0.9

IDC 13 12:07:59.3±2.5,59.10S;25.47W,h48km,48km,mb4.2/11,
mbtmp4.4/12,ML4.5/1,MS3.5/7,Error ellipse:
s-maj=25.6km s-min=17.8km az=87.0

NEIC 13 12:08:00.7±1.2,59.12S;0.05±25.6W;0.2,h64km,7km,
mb4.6/28,Error ellipse: s-maj=14.7km s-min=7.3km

ISC 13 12:07:59.1±0.5,59.13S;0.08±25.43W;0.10,h50km,n67,
φ153/58,mb4.5/19,MS3.5/5,SC, South Sandwich

Islands region
Code Station Name Δ° AZ° Phase ID Time Res
HOPE Hope Point 17.78 304 Pn 12 09 33.7 +4.2

SNAA Sanae 15.55 153 i P 12 11 33.7 -1.0
TROLL Troll, Antarti 17.08 150 i P 12 11 54.4 +0.4

PMSA Palmer Station 18.77 236 LR 12 18 56.0
BELA Belgrano 2 19.09 186 P 12 12 17.3 +0.3
EFI East Falkland 19.81 278 P 12 12 22.9 -2.2

PLCA Paso Flores 33.55 283 P 12 14 33.4 -0.4
TRQA Torquait 31.46 296 P 12 14 15.2 -0.4

GO05 Hualane 38.67 288 P 12 15 16.1 -1.5
BO01 Tunca 38.76 289 P 12 15 17.6 -0.7

MT09 Talagante 39.21 290 P 12 15 21.0 -1.2
VA05 Santo Domingo 39.61 289 P 12 15 24.2 -1.2

SUR Sutherland 40.68 70 LR 12 28 33.2

AC05 El Transito 42.95 195 P 12 15 52.9 +0.6
VND A Vanda 43.52 182 P 12 16 07.5

VNDA Vanda 43.53 182 P 12 15 58.4 +1.4
H04S2 CROZET ISLANDS 45.51 110 T 13 06 34.9

H04S3 CROZET ISLANDS 45.52 110 T 13 06 36.7
H04S1 CROZET ISLANDS 45.53 110 T 13 06 36.6

BOSA Boshof 45.94 71 P 12 16 17.3 +0.4
BDBF Brasilia 46.51 329 P 12 16 21.3 -0.1

LBTB Lobatse 49.11 69 P 12 16 41.9 +0.4
LB01 Lobatse 49.11 69 LR 12 16 56.5

GO01 ASCENSION HYDFE1.84 14 T 13 13 44.0
H10N3 ASCENSION HYDFE1.85 14 T 13 13 39.1

DBIC Dimbokro 67.62 22 P 12 18 50.3 -0.1
COHC Cochabamba 70.08 301 P 12 19 05.1 -0.6

TORD Torodi Arr Be 75.32 27 P 12 19 37.5 +0.7
TKNZ Takaka Hill 79.04 194 P 12 19 57.2 -0.3

ASAR Alice Springs 95.76 161 P 12 21 19.3 -0.3
AS31 Alice Springs 95.76 161 P 12 21 19.7 0.0

WRA Warramunga Arr 99.48 161 P 12 21 35.4 -1.0
FINES FINESS Array B 126.67 28 PKP PKPdf 12 26 55.4 +0.2

YKA Yellowknife Arr 139.06 315 PKP PKPdf 12 27 18.5 +0.1
SONM Songoing Array 149.86 90 PKPbc PKPbc 12 27 42.9 +0.2

I26K Coal Creek Min 151.44 309 PKPbc 12 27 44.9 -0.8
E27K Coleen River 151.80 315 PKPbc 12 27 45.8 -0.2

GCG 13 12:09:49.9±1.8,14.24N;93.24W,h20km,21km,MD4.6,
Hypocentre not reviewed by the ISC
IDC 13 12:09:50.2±3.6,14.65N;93.15W,h0km,mb3.5/3,
mbtmp3.5/4,ML2.8/2,Error ellipse: s-maj=59.3km

MEX 13 12:09:53.0±3.8,14.49N;93.25W,h9km,12km,MD4.2
ISC 13 12:09:49.3±2.5,14.49N;0.06±93.25W;0.03,h6km,16km,
n31,φ181/58,mb3.6/3,Near coast of Chiapas

THIG Thiaguairama 1.04 66 eP Sg 12 10 09.7 +0.1
CHUU Union Juarez 1.25 61 eS Sg 12 10 13.0 -0.6

CMIG Matias Romero 3.03 329 eP Sg 12 10 38.5 +0.7
CMIG Huatulo 3.04 295 eP Sg 12 10 37.7 -0.3

CMIG Matias Romero 3.03 329 eP Sg 12 10 38.5 +0.7
CMIG Huatulo 3.04 295 eP Sg 12 10 37.7 -0.3

CMIG Matias Romero 3.03 329 eP Sg 12 10 38.5 +0.7
CMIG Huatulo 3.04 295 eP Sg 12 10 37.7 -0.3

CMIG Matias Romero 3.03 329 eP Sg 12 10 38.5 +0.7
CMIG Huatulo 3.04 295 eP Sg 12 10 37.7 -0.3

CMIG Matias Romero 3.03 329 eP Sg 12 10 38.5 +0.7
CMIG Huatulo 3.04 295 eP Sg 12 10 37.7 -0.3

CMIG Matias Romero 3.03 329 eP Sg 12 10 38.5 +0.7
CMIG Huatulo 3.04 295 eP Sg 12 10 37.7 -0.3

TPIG Fresno de T 5.79 307 eS Sg 12 12 18.2 +1.3
FTIG Jalcomulco 5.92 325 eP Sg 12 11 17.5 -0.1

YKA Yellowknife Arr 50.28 347 P 12 18 45.7 -0.6
ILAR Eielson Array 61.91 337 P 12 20 10.6 +1.1

TRN 13 12:11:09.8,17.45N;61.77W,h24km,MD3.5,2C, South
of Barbuda, Leeward Islands

ANWB Willy Bob 0.21 357 eP Sg 12 11 21.1 +1.5
ANWB Bethesda, Anti 0.40 179 i P Sg 12 11 20.4 +0.3

SKI Saint Kitts 0.93 263 eP Sg 12 11 39.2 +2.0
SKI Salisbury 2.03 170 eP Sg 12 11 42.6 +2.6

SOME 13 12:56.9,39.78N;70.08E,h10km
KRNET 13 12:13:02.7±0.1,39.87N;70.37E,h27km,mb2.0

ISC 13 12:13:07.0±1.7,40.25N;70.07E,h0km,mb3.5,mpv3.2,
Error ellipse: s-maj=12.5km s-min=9.4km az=34.0

BTk Batken 0.59 71 eP Sg 12 13 11.0 -0.1
BTk Karamyk 1.37 106 eS Sg 12 13 16.9 0.0

BRLS Boroday 3.17 357 Pg P 12 13 53.3 +0.1
BRLS Boroday 3.17 357 eP Sg 12 14 27.7

KK31 Karatay Arr 3.25 5 i Pn P 12 13 54.8 +0.2
MRKS Merke 3.72 38 Pg P 12 14 09.7 +1.0

MRKS Merke 3.72 38 eP Sg 12 14 06.6 -2.0
MRKS Merke 3.72 38 eS Sg 12 14 56.9 0.0

SGDS Sogindy 4.94 42 Pg P 12 14 31.7 -0.2
KST KasteK 5.43 52 Pg P 12 15 42.2 +0.8

BTLs Baital 5.94 28 Pg P 12 14 51.1 0.0
BTLs Baital 5.94 28 eP Sg 12 16 06.7

BUI 13 12:14:42.9,37.17N;141.43E,h21km,mb5.1/28,mb4.5/60,
Ms4.8/63,Ms7.4/60

IDC 13 12:14:42.9±0.5,37.21N;141.32E,h0km,mb4.7/28,
mbtmp4.6/35,ML3.5/7,MS4.3/51,Error ellipse:
s-maj=13.0km s-min=12.4km az=133.0

MOS 13 12:14:44.6±1.0,37.41N;141.25E,h16km,mb5.2/56,
MS4.3/11,Error ellipse: s-maj=6.5km s-min=4.0km
az=114.5

JMA 13 12:14:44.5±0.2,37.22N;141.4E;0.8,h22km,1km,
MD4.9/40,MW4.9/40,E OFF FUKUSHIMA PREF

NIED 13 12:14:44.5±0.3,37.24N;141.36E,h2km,mb4.7/MW3.7,Moment
Tensor Solution s3 Moment tensor: Scale 10^16Nm

Mn: 2.19; Mw: 0.87; Ms: 1.32; Mb: 1.05; Md: 0.49;
Fault plane solution: M2.26000x10^16 NP1:φ44.00000°,
δ39.00000°,λ-82.00000°. NP2:φ214.00000°,δ51.00000°,
λ-96.00000°

NEIC 13 12:14:44.7,37.27N;141.40E,h10km
NEIC 13 12:14:45.5,36.88N;141.74E,h12km,Moment Tensor
Solution, Duration: 193 Moment tensor: Scale 10^16Nm

Mn: 1.80; Mw: 0.79; Ms: 1.01; Mb: 0.74; Md: 0.11; Fault
plane solution: M1.39000x10^16 NP1:φ35.23000°,
λ-77.31000°,λ-92.30000°. NP2:φ218.82000°,δ42.74000°,
λ-87.51000°. Principal axes: T 1.4362,Plg2.0000°,
Azm127.0000°; N -0.1029,Plg2.0000°,Azm37.0000°; P
-1.3333,Plg87.0000°,Azm270.0000°

GCMT 13 12:14:47.0±0.3,37.20N;0.02;141.31E;0.02,h12km,
MW4.9/111,Moment Tensor Solution. s39,c47;
s111,c164; Duration: 0 Moment tensor: Scale 10^16Nm;
Mn: 1.26±0.06; Mw: 1.04±0.06; Ms: 1.53±0.06; Mb: 0.00±0.21;
Md: 0.28±0.09; Best double couple:
M2.72000x10^16 NP1:φ51.00000°,δ39.00000°,
λ-72.00000°. NP2:φ208.00000°,δ54.00000°,
λ-104.00000°. Principal axes: T 2.6620,Plg8.0000°,
Azm308.0000°; N 0.1130,Plg111.0000°,Azm216.0000°; P
-2.7850,Plg76.0000°,Azm72.0000°; nsta1 refers to body
waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

ISC 13 12:14:45.1±0.5,37.26N;0.03;141.40E;0.03,h15km,2km,
h15km;pp-P,n783,φ135/783,mb4.9/188,MS4.5/64,
49C-32D,Near east coast of eastern Honshu

Code Station Name Δ° AZ° Phase ID Time Res
JFK Kawauchi 0.43 285 i P Sg 12 14 53.1

13d 12h

2019 JAN

Table with columns: LEM, Lembang, 53.27 269 P, P, 12.49 23.0 -0.4, comp=Z,115nm,0.8s,baz=76,slow=6,6,SNR=23

Table with columns: CASY, Casey, 65.72 200 P, P, 12.50 47.7 -0.3, comp=Z,88nm,8.8s

Table with columns: YAK, Nushagak River, 76.30 20 P, P, 12.51 58.5 +1.4, e'PP, PcP, 12.51 58.5 -4.1

H17K	Granite Mounta	80.26	16	P	P	12 52 15.1 +1.3
O22K	Cooper Landing	80.28	22	P	P	12 52 15.2 +1.3
MOY	Monydy	80.46	327	eP	pmax	12 52 15.0 -0.3
G17K	Kiwalik Mtna	80.51	15	P	P	12 52 16.5 +1.3
SKT	Skwentna	80.64	21	P	P	12 52 16.0 +0.1
RC01	Rabbit Creek A	80.68	22	P	P	12 52 17.2 +1.1
J19K	Poorman	80.76	18	P	P	12 52 18.4 +2.0
K20K	Telida	80.77	19	P	P	12 52 18.1 +1.5
H18K	Honhosa River	80.84	16	P	P	12 52 18.0 +1.1
P23K	Montague Islan	80.85	23	P	P	12 52 18.1 +1.1
Q23K	Middleton Isla	80.92	24	P	P	12 52 18.9 +1.6
GCSA	Galena City Sc	80.95	17	P	P	12 52 17.7 +0.3
M22K	Willow	80.98	21	P	P	12 52 17.8 +0.2
M22K	Willow	80.98	21	P	P	12 52 17.8 +0.2
PWL	Port Wells	81.05	22	P	P	12 52 18.7 +0.6
PPLA	Purkeypile	81.05	20	P	P	12 52 18.7 +0.5
PMR	Palmer	81.23	22	P	IAmb	12 52 19.5 +0.5
PMR	Palmer	81.23	22	P	P	12 52 20.1 +1.1
PMR	Palmer	81.23	22	P	P	12 52 19.8 +0.8
PMR	Palmer	81.23	22	P	P	12 52 19.5 +0.5
J20K	Novinka River	81.34	18	P	P	12 52 21.5 +2.0
G18K	Tagagawik	81.34	15	P	P	12 52 20.1 +0.6
KNK	Knik Glacier	81.36	22	P	P	12 52 20.5 +0.7
CUT	Chulitna	81.37	21	P	P	12 52 19.2 -0.5
CAST	Castle Rocks	81.45	19	P	P	12 52 20.4 +0.2
E17K	Hotham Inlet	81.49	14	P	P	12 52 21.0 +0.8
F18K	Selawik	81.63	15	P	P	12 52 21.8 +0.8
H19K	Roundabout Mou	81.66	16	P	P	12 52 20.9 -0.3
SML	Sawmill	81.66	22	P	P	12 52 21.2 -0.1
I20K	Naagdeneel	81.68	18	P	P	12 52 21.7 +0.4
CHUM	Lake Minchumin	81.70	19	P	P	12 52 22.2 +0.8
C16K	Lisburne Hills	81.71	12	P	P	12 52 22.2 +0.8
D17K	Noatak River	81.71	13	P	P	12 52 22.1 +0.7
EYAK	Cordova Ski Ar	81.84	23	P	P	12 52 23.0 +0.8
M23K	Glacier View	81.87	22	P	P	12 52 23.5 +1.0
G19K	Purcell Mounta	81.94	16	P	IAmb	12 52 23.3 +0.6
G19K	Purcell Mounta	81.94	16	P	P	12 52 23.5 +0.8
KAIM	Kayak Island	82.00	24	P	P	12 52 23.2 +0.1
RDOG	Red Dog Mine	82.04	13	P	P	12 52 23.9 +0.7
SCM	Sheep Creek Mo	82.04	22	P	P	12 52 23.3 -0.1
E18K	Tukpahleirik C	82.05	14	P	P	12 52 23.4 +0.2
TRF	Thorofare Moun	82.06	20	P	P	12 52 23.8 +0.2
H20K	Anotlenega Mo	82.07	17	P	P	12 52 23.7 +0.3
BPAW	Bear Paw Mtn.	82.29	19	P	P	12 52 24.1 -0.4
F19K	Shaleruckik Mo	82.29	15	P	P	12 52 24.3 -0.2
C17K	DeLong Mountai	82.32	12	P	P	12 52 24.1 -0.5
KLU	Klutina	82.36	23	P	P	12 52 25.0 -0.1
BMRM	Bremner River	82.55	23	P	P	12 52 25.7 -0.3
M24K	Tolsona, Glenn	82.64	22	P	IAmb	12 52 27.8 +1.3
M24K	Tolsona, Glenn	82.64	22	P	P	12 52 27.5 +1.0
MCK	McKinley	82.70	20	P	P	12 52 27.2 +0.5
I21K	Tanana	82.71	18	P	P	12 52 27.9 +1.2
H21K	Melozitna River	82.79	17	P	P	12 52 28.0 +0.9
C18K	Utukok River	82.89	13	P	P	12 52 28.3 +0.6
E19K	Redstone River	82.90	15	P	P	12 52 29.3 +1.6
N25K	Chitina, Valde	82.93	23	P	IAmb	12 52 28.8 +0.8
N25K	Chitina, Valde	82.93	23	P	P	12 52 29.1 +1.0
F20K	Avaraat Lake	82.98	16	P	P	12 52 29.3 +1.3
HARP	HAARP	83.20	22	P	P	12 52 30.5 +1.2
G21K	Allakaket	83.20	17	P	P	12 52 30.0 +0.8
NEA2	Nenana	83.22	19	P	P	12 52 29.6 +0.2
B18K	Kokolik River	83.34	12	P	P	12 52 31.1 +1.3
H22K	Ishaltitna Cre	83.38	18	P	P	12 52 31.4 +1.2
PAX	Paxson	83.43	22	P	P	12 52 31.3 +0.7
D19K	Kuna River	83.48	14	P	P	12 52 31.2 +0.6
I23K	Minto, Yukon-K	83.50	19	P	P	12 52 31.5 +0.8
F21K	Alatina River	83.71	16	P	P	12 52 32.7 +0.8
E20K	Nigu River	83.77	15	P	P	12 52 32.9 +0.7
COLA	College	83.81	19	P	P	12 52 32.1 -0.2
COLA	College	83.81	19	P	P	12 52 32.5 +0.2
COLA	College	83.81	19	P	P	12 52 32.1 -0.2
HDA	Harding Lake	83.81	20	P	P	12 52 32.7 +0.3
PINM	Pinnacle	83.82	25	P	P	12 52 33.5 +0.9
K24K	Donnelly Dome	83.83	21	P	P	12 52 33.2 +0.6
MAW	Mawson	83.94	202	P	P	12 52 32.2 -0.9
MAW	Mawson	83.94	202	P	P	12 52 50.7 -3.7
MAW	Mawson	83.94	202	P	P	12 52 32.2 -0.2
D20K	Etvuk River	84.00	14	P	P	12 52 34.4 +1.1
M26K	Nabesna, AK	84.01	23	P	P	12 52 34.4 +0.8
MENT	Mentasta	84.05	22	P	P	12 52 33.8 +0.1
MENT	Mentasta	84.05	22	P	P	12 52 35.1 +1.1
IL31	Ilkai	84.06	20	P	IAmb	12 52 35.2 -0.2
IL31	Ilkai	84.06	20	P	IAmb	12 52 35.2 -0.2
ILAR	Eielson Array	84.06	20	P	P	12 52 33.2 -0.4

ILAR	comp=Z,18nm,0.9s,baz=253,slow=4.2,SNR=94	pP	pP	12 52 51.8 -3.0		
ILAR	comp=Z,16nm,1.1s,baz=236,slow=5.4,SNR=4.7	PKK	PKK	13 10 146.0 +3.5		
ILAR	comp=Z,0.4nm,0.8s,baz=340,slow=1.7,SNR=4.7	LR	LR	13 23 13.3		
POKR	comp=Z,102nm,21.8s,baz=156,slow=31	P	P	12 52 34.0 +0.2		
RIDG	Poker Flat Res	84.10	19	P	P	12 52 34.8 +0.7
A19K	Wainwright	84.17	12	P	P	12 52 35.0 +1.0
O28M	Mount Upton	84.21	25	P	P	12 52 35.9 +1.1
L26K	Log Cabin Wild	84.24	22	P	P	12 52 35.8 +1.2
G23K	Bananza Creek	84.34	17	P	IAmb	12 52 35.0 -0.1
G23K	Bananza Creek	84.34	17	P	IAmb	12 52 37.3
G23K	Bananza Creek	84.34	17	P	P	12 52 36.3 +1.2
M27K	Edge Creek, AK	84.41	23	P	P	12 52 37.0 +1.3
H24K	Noodor Dome	84.42	19	P	P	12 52 36.6 +1.1
TIXI	Tiksi	84.44	350	P	IAmb	12 52 34.7 -0.7
TIXI	Tiksi	84.44	350	P	IAmb	12 52 36.3
TIXI	Tiksi	84.44	350	P	LR	13 28 07.1
TIXI	Tiksi	84.44	350	P	pmax	12 52 35.2 -0.2
J25K	Salcha River,	84.47	20	P	P	12 52 36.6 +0.8
SIT	Sitka	84.52	29	P	P	12 52 37.0 +0.9
SCR	Sand Creek	84.57	21	P	P	12 52 37.5 +1.1
COLD	Coldfoot	84.64	17	P	P	12 52 37.6 +1.1
O29M	Mount Kennedy	84.64	26	P	P	12 52 38.0 +1.2
YUK3	Mount Creek	84.65	24	P	P	12 52 38.2 +1.2
P29M	Windy Craggy	84.66	26	P	P	12 52 38.1 +1.3
YUK8	Ste Glacier	84.66	25	P	P	12 52 38.5 +1.4
C1K8	Knifeblade Riv	84.78	14	P	P	12 52 38.3 +1.1
E22K	Anaktuvuk Pass	84.81	16	P	P	12 52 39.0 +1.6
L27K	Beaver Creek,	84.83	22	P	P	12 52 39.2 +1.6
BVCY	Beaver Creek	84.84	23	P	P	12 52 39.3 +1.6
BCAR	Beaver Creek A	84.85	22	P	P	12 52 38.8 +1.0
CRAG	Craig	84.89	31	P	P	12 52 38.8 +0.8
PRP	Porcupine Dome	84.98	20	P	P	12 52 39.2 +0.8
J26L	Joseph Creek	85.03	21	P	P	12 52 39.7 +1.1
YUK6	Outpost Mounta	85.06	25	P	P	12 52 40.2 +1.1
S32K	Killisnoo	85.07	29	P	P	12 52 40.2 +1.3
G24K	Hadweenciz Riv	85.10	18	P	IAmb	12 52 39.5 +0.7
G24K	Hadweenciz Riv	85.10	18	P	IAmb	12 52 41.1
G24K	Hadweenciz Riv	85.10	18	P	P	12 52 40.4 +1.5
YUK4	Talbot Arm	85.15	25	P	P	12 52 41.7 +2.2
U33K	Whale Pass	85.17	31	P	P	12 52 41.1 +1.8
PLBC	Pleasant Camp	85.18	27	P	P	12 52 40.9 +1.6
P30M	Million Dollar	85.25	26	P	P	12 52 41.7 +1.9
E23K	Chandalar	85.36	17	P	P	12 52 42.5 +2.3
HYT	Haines Junctio	85.36	25	P	P	12 52 42.2 +1.7
R32K	Eaglecrest	85.47	28	P	P	12 52 42.8 +2.0
WMQ	Urumqi	85.47	316	eP	pP	12 52 40.6 -0.7
WMQ	Urumqi	85.47	316	eP	pmax	12 53 01.8 -0.6
F24K	Squaw Lake	85.50	17	P	P	12 52 42.9 +2.0
V35K	Ketchikan	85.61	32	P	P	12 52 43.1 +1.5
I26K	Coal Creek Min	85.64	20	P	IAmb	12 52 42.5 +0.9
I26K	Coal Creek Min	85.64	20	P	IAmb	12 52 43.9
I26K	Coal Creek Min	85.64	20	P	P	12 52 43.2 +1.6
SKAG	Skagway	85.65	27	P	P	12 52 43.3 +1.6
D23K	Nanushuk River	85.69	16	P	P	12 52 43.1 +1.4
E24K	Your Creek	85.69	17	P	P	12 52 43.5 +1.6
WRAK	Wrangell Islan	85.70	31	P	P	12 52 42.2 +0.3
TOLK	Toolik Lake Re	85.77	16	P	P	12 52 43.8 +1.6
M29M	Somme Creek	85.80	24	P	P	12 52 43.6 +1.1
N30M	Aishikik Lake	85.86	25	P	P	12 52 43.7 +0.9
O30N	Mendenhall	85.94	26	P	P	12 52 43.8 +0.6
O30N	Mendenhall	85.94	26	P	P	12 52 43.9 +0.7
K02D	Willamette Mer	85.94	46	P	IAmb	12 52 44.6 +0.9
B22K	Teshchepuk Lake	85.97	14	P	P	12 52 43.8 +0.8
A21K	Barrow	85.97	12	P	P	12 52 44.0 +1.0
EGAK	Eagle	86.04	21	P	P	12 52 44.7 +1.1
EGAK	Eagle	86.04	21	P	P	12 52 45.0 +1.5
A22K	Sinclair Lake	86.09	13	P	P	12 52 44.6 +1.0
F25K	Christian River	86.22	18	P	P	12 52 46.1 +1.6
L29M	L29M	86.27	23	P	P	12 52 46.1 +1.2
HYB	Hyderabad	86.29	288	eP	P	12 52 45.5 -0.3
DAWY	Dawson	86.29	22	P	P	12 52 46.4 +1.5
C23K	Itkillik River	86.30	15	P	P	12 52 46.2 +1.5
D24K	Happy Valley	86.31	16	P	P	12 52 46.3 +1.5
I27K	Kandik River	86.34	20	P	P	12 52 46.6 +1.5
G26K	Porcupine River	86.41	19	P	P	12 52 46.9 +1.7
WHY	Whitehorse	86.41	26	P	P	12 52 47.0 +1.4
N31M	Braeburn, Yuko	86.42	25	P	P	12 52 47.2 +1.6
P32M	Atit	86.44	27	P	P	12 52 47.1 +1.4
BMAR	Burnt Mountain	86.44	18	P	P	12 52 46.9 +1.4
M30M	Minto, Yukon	86.53	24	P	P	12 52 47.1 +1.0
E25K	Arctic Village	86.57	17	P	P	12 52 47.3 +1.1
E25K	Arctic Village	86.57	17	P	P	12 52 47.7 +1.6
U35K	Hyder	86.67	32	P	P	12 52 48.1 +1.3
C24K	Franklin Bluff	86.72	15	P	P	12 52 48.2 +1.5
H27K	Steamboat Moun	86.73	20	P	P	12 52 48.5 +1.5
F26K	Sheep River	86.74	18	P	P	12 52 48.6 +1.6
Q32M	Nakina River	86.78	23	P	P	12 52 48.3 +0.5

AFDM	Forest Hills D	86.83	30	P	P	12 52 48.6 +0.5
I28M	Miner Creek	86.84	21	P	P	12 52 48.2 +0.6
K29M	Barlow Dome	86.89	23	P	P	12 52 49.4 +1.5
S34M	Telegraph Cree	86.93	30	P	P	12 52 45.5 +1.4
T35M	Bob Quinn	86.98	31	P	P	12 52 48.9 +0.6
G27K	Doyon Strip	87.01	19	P	P	12 52 49.5 +1.2
D25K	Kavik River	87.09	16	P	IAmb	12 52 45.5 +0.9
D25K	Kavik River	87.09	16	P	IAmb	12 52 50.6
D25K	Kavik River	87.09	16	P	P	12 52 50.0 +1.3
P33M	Teslin, Yukon	87.12	27	P	P	12 52 50.2 +1.1
J04A	Umpqua Nationa	87.20	45	P		

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like La Moure, Chera, Toule Ste Croi, Lanestosa, Bois d'Agland, etc.

SSNC 13 13:44:51.1±0.6, 18°48'N×76°39'W, h10km±5km, MD2.9, ML1.9

ISC 13 13:44:47.1±3.1, 18°54'N×0°05'76.30'W, h12km±11km, n10, c066/18, Jamaica region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Stony Hill, Hope, Mount Denham, etc.

ATH 13 13:47:19.9, 36°23'N-25°37'E, h8km±1km, ML2.9/4, Error ellipse: s-maj=1.9km s-min=0.6km az=33.0

THE 13 13:47:20.4, 36°27'N-25°33'E, h12km±1km, ML2.8/5, Error ellipse: s-maj=3.0km s-min=0.6km az=99.0

ISK 13 13:47:20.7, 36°25'N-25°27'E, h4km, ML3.0/10

AFAD 13 13:47:20.0, 36°27'N-25°35'E, h6km±7km, ML2.4

ISC 13 13:47:20.0, 36°26'N-25°35'E, h14km±5km, n47, c0582/68, Dodecanese Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Santorini-Faro, Thira Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Anoyia, TNSA Tinos, ZKR Zakros, etc.

SKHL 13 13:59:41.4±0.4, 46°30'N-141°90'E, h3km±1km, mb4.1/5

JMA 13 13:59:42.0±0.3, 47°N-1°14'2E, h20km, MV2.9/20, SOUTH SAKHALIN

ISC 13 13:59:43.5±1.1, 46°43'N-140°04'11.82'E, h18km±10km, n8, c0663/14, Sakhalin Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Nevef sk, Kholm sk, etc.

IDC 13 14:02:02.1±1.6, 10°47'S-120°30'E, h0km, mb3.5/3, mbmp3.5/7, ML3.4/4, MS3.3/1, Error ellipse: s-maj=60.2km s-min=21.8km az=48.0

DJA 13 14:02:06.0±0.7, 11°S-3°12'E, h21km±6km, M4.0/13, mb4.1/7, MLV3.9/13

ISC 13 14:02:05.8±0.8, 10°67'S-120°29'E, h31km±20, c203/25, mb3.6/3, Sumba region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Baing, Sumba, Waingapu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 13 14:29:24.5±1.1, 3°62'N-126°96'E, h0km, mb3.8/9, mbmp3.9/9, Error ellipse: s-maj=76.2km s-min=15.1km az=67.0

NEIC 13 14:29:27.3±0.8, 3°59'N-126°92'E, h19km±6km, mb4.3/16, Error ellipse: s-maj=13.5km s-min=9.0km az=196.0

DJA 13 14:29:28.0±0.7, 4°N-15°12'7E, h27km±10km, M4.2/9, mb4.4/6, MLV4.1/9

ISC 13 14:29:26.1±0.6, 3°69'N-127°11'E, h10km±n34, c1945/34, mb4.2/15, Talau Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like SGGI Sangihe, TNTI Ternate, etc.

WBA Warramunga Arr 24.40 163 P Iamb Iamb 14 34 43.4 -1.5

WRA Warramunga Arr 24.55 163 P Iamb Iamb 14 34 45.2 -1.0

WBA Warramunga Arr 24.55 163 P Iamb Iamb 14 34 45.0 -1.2

ASAR Alice Springs 28.00 167 P P 14 35 16.4 -0.9

CMAR Chiang Mai Arr 31.19 300 P P 14 35 45.7 -0.1

BJT Bailethu 37.48 346 P P 14 36 40.5 +0.6

STKA Stephens Creek 37.97 160 P P 14 36 44.1 -0.1

STKA Stephens Creek 37.97 160 P P 14 36 44.8 +0.6

CAN Canberra 43.92 154 P P 14 37 33.0 -0.3

SONM Songino Array 47.45 341 P P 14 38 01.6 +0.6

MK31 Makanchi Array 57.79 325 P P 14 39 16.8 -0.8

MKAR Makanchi Array 57.79 325 P P 14 39 16.5 -1.1

MKAR Makanchi Array 57.79 325 P P 14 39 16.8 -0.8

MAK2 Makanchi Array 57.97 325 P P 14 39 19.0 +0.1

KURBB Kurchatov Arra 61.96 327 P P 14 39 45.8 +0.6

KURK Kurchatov 61.96 327 P Iamb Iamb 14 39 45.4 -0.8

BVAR Borovoye Array 67.54 327 P P 14 40 22.4 -0.2

TIXI Tiksi 67.87 1 P Iamb Iamb 14 40 24.3 0.0

ABKAR Akbulak array 72.40 321 P P 14 40 51.5 -1.0

ARTI Arti 75.24 328 P Iamb Iamb 14 41 07.6 -1.2

NOU 13 14:31:32.0, 34°92'S-116°40'E, h0km, MLV4.0/8, Western Australia

CUPWA 13 14:31:39.7±1.0, 34°46'S-116°80'E, h2km±7km, ML3.1, Region: WESTERN AUSTRALIA

AUST 13 14:31:39.1±0.3, 34°52'S-117°7'E, h4km±1km, ML3.2/9, Error ellipse: s-maj=5.3km s-min=3.5km az=32.9

ISC 13 14:31:39.2±1.0, 34°47'S-116°81'E, h8km±6km, n35, c075/47, 1C-1D, Western Australia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like LM01 Lskr Muir 01, etc.

13d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like ALS Alishan, LIOB Emei, NSTT Nanjuang, etc.

IDC 13 15:30:46.3-7.5, 19:02S-178.74W, h0km, mb3.5/3, mbmt3.5/3, Error ellipse: s-maj=326.4km s-min=39.9km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

THE 13 15:44:11.9, 36.23N-25.40E, h14km, 1km, ML2.8/4, Error ellipse: s-maj=4.1km s-min=0.7km az=283.0

ISC 13 15:44:11.4, 36.31N-25.13E, h2km, ML2.7/12, ATH 13 15:44:11.4, 36.26N-25.26E, h16km, 2km, ML2.7/5, Error ellipse: s-maj=2.5km s-min=0.8km az=74.0

ISC 13 15:44:11.6-0.9, 36.28N-0.03-25.26E, 0.03, h16km, 7km, n36, c#472/51, Decadence Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like THR9 Santorini-Faro, THR3 Thira Island, THR8 Santorini-Mono, etc.

NEIC 13 16:16:28.9-2.8, 20.7S-0.2-173.32W, h10km, 1km, mb4.5/13, Error ellipse: s-maj=26.9km s-min=13.7km az=175.0

IDC 13 16:16:39.4-4.6, 20.7S-173.94W, h75km, 38km, mb3.7/13, mbmt4.1/15, ML4.6/2, MS3.7/2, Error ellipse: s-maj=27.4km s-min=18.4km az=136.0

ISC 13 16:16:30.0-0.6, 20.8S-0.1-173.51W, 0.09, h10km, n40, c#1968/42, mb4.2/20, 1-C-1D, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like NIUE Niue, MSVF Nonsavu, DZM Mont Dzumak, etc.

DJA 13 15:59:19.0-0.3, 2.3N-3.12E, h10km, M3.7/11, mb4.0/2, ML3.6/11, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like SGSI Sangihe, TINTI Ternate, KMSI Cibinong, etc.

IDC 13 16:04:01.2-1.0, 6.18S-151.62E, h0km, mb3.7/6, mbmt3.9/7, ML2.8/1, MS3.0/2, Error ellipse: s-maj=46.5km s-min=22.5km az=121.0

NEIC 13 16:04:05.3-2.0, 6.15S-0.06-151.17E, 0.05, h10km, 1km, mb4.6/22, Error ellipse: s-maj=13.0km s-min=5.2km az=218.0

ISC 13 16:04:05.1-0.7, 6.13S-0.09-151.2E, 0.1, h10km, n40, c#1914/35, mb4.4/17, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like RABL Rabaul, PMG Port Moresby, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PMG, MANU Manuk Island, FAKI Fak Fak, etc.

CAST Castle Rocks, 81.33 22 P Iamb P 16 20 20.5 -1.1

E19K Redstone River, 81.93 18 P Iamb P 16 26 24.8 +0.2

D19K Kuna River, 82.32 17 P Iamb P 16 26 25.2 -0.2

CCB Clear Creek Bu, 83.58 22 P Iamb Iamb 16 26 31.5 -1.7

QSPA South Pole Qui, 83.84 180 P Iamb Iamb 16 26 32.8 -1.8

ILAR Eielson Array, 83.99 22 P P 16 26 33.5 -1.8

J25K Salcha River, 84.49 23 P Iamb Iamb 16 26 37.1 -0.9

D23K Nanushuk River, 84.80 18 P Iamb Iamb 16 26 39.8 +0.4

TOLK Toolik Lake Re, 84.97 18 P Iamb P 16 26 40.1 -0.2

BMAR Burnt Mountain, 86.04 20 P P 16 26 45.7 +0.0

K29M Barlow Dome, 87.34 25 P Iamb Iamb 16 26 52.4 +0.2

G31M Satah River, 89.60 22 P Iamb Iamb 16 26 57.1 -0.9

H03S2 Juan Fernandez, 118.16 134 T T 18 32 33.4

TORD Torodi Ar. Bea, 149.15 285 PKPbc PKPdf 16 23 25.3 +1.6

BDFB Brasilia, 151.19 139 PKPbc PKPdf 16 23 55.7 +1.6

NEIC 13 16:16:28.9-2.8, 20.7S-0.2-173.32W, h10km, 1km, mb4.5/13, Error ellipse: s-maj=26.9km s-min=13.7km az=175.0

IDC 13 16:16:39.4-4.6, 20.7S-173.94W, h75km, 38km, mb3.7/13, mbmt4.1/15, ML4.6/2, MS3.7/2, Error ellipse: s-maj=27.4km s-min=18.4km az=136.0

ISC 13 16:16:30.0-0.6, 20.8S-0.1-173.51W, 0.09, h10km, n40, c#1968/42, mb4.2/20, 1-C-1D, Tonga Islands

Code Station Name Az Az' Phase ID Time Res h m s ISC

NIUE Niue, 3.79 63 Pn P 16 27 26.0 -2.6

MSVF Nonsavu, 8.54 290 Pn P 16 27 30.7 +3.2

DZM Mont Dzumak, 18.70 263 P 16 26 48.5 -0.3

BKZ Black Stump Fm, 20.20 203 P Iamb Iamb 16 21 06.3 +1.2

CTAO Charters Tower, 37.63 264 P P 16 23 45.0 -0.5

ASAR Alice Springs, 48.53 256 P P 16 25 11.6 -2.1

WBO Warramunga Arr, 48.69 262 P Iamb Iamb 16 25 12.5 -2.5

WB2 Warramunga Arr, 48.70 261 P Iamb Iamb 16 25 12.4 -2.6

WRA Warramunga Arr, 48.71 261 P 16 25 11.7 -3.4

FITZ Fitzroy Crossi, 57.14 261 P Iamb Iamb 16 26 15.5 -1.8

SOEI Marble Bar, 61.87 257 P P 16 26 40.9 -1.5

MBAW Marburg (SRO), 61.97 243 P P 16 26 50.0 -0.6

MJAR Matsuhiro Arr, 73.03 321 P P 16 27 59.0 -1.3

MAJO Matsuhiro, 73.03 321 P P 16 27 58.6 -1.6

PET Petrozavlovsk, 77.74 343 P P 16 28 25.0 +0.6

NVAR Mina Array Bea, 78.44 41 P P 16 28 33.9 +0.4

KSRS Korea Array, 79.96 316 P P 16 28 40.0 +0.5

TXAR Lajitas Array, 83.73 56 P P 16 29 01.9 +2.2

752

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like BNX BinXian, PDAR Pinedale Array, ILAR Eielson Array, etc.

IDC 13 16:41:35.5-1.5, 2.47N-127.35E, h0km, mb3.4/5, mbmt3.4/5, Error ellipse: s-maj=152.3km s-min=19.1km az=69.0

DJA 13 16:41:42.3-1.1, 2.2N-4.12E, h18km, 10km, M3.6/7, mb4.0/1, ML3.4/7

ISC 13 16:41:43.4-1.0, 2.3N-0.1-127.1E, 0.2, h53km, n8, c#1964/8, mb3.4/5, Northern Molucca Sea

Code Station Name Az Az' Phase ID Time Res h m s ISC

TNTI Ternate, 1.57 172 P P 16 42 10.3 +1.3

SGSI Sangihe, 2.10 310 S Sn 16 42 42.2 +1.1

FAKI Fak Fak, 7.30 136 P P 16 43 29.2 +1.7

WRA Warramunga Arr, 23.24 163 P 16 46 44.5 -1.8

ASAR Alice Springs, 26.67 166 P 16 47 15.7 -1.9

SOMN Songoing Array, 48.74 341 P P 16 50 22.5 -0.5

MKAR Makanchi Array, 58.93 326 P 16 51 36.7 -0.5

KURBB Kurchatov Arr, 63.13 328 P 16 52 05.8 +0.2

BUI 13 16:45:51.7, 61.30N-150.10W, h47km, mb5.1/26, mb4.9/72, MS4.8/35, MS7.4/5/37

MOS 13 16:45:52.0-9.0, 61.32N-150.32W, h49km, mb5.3/67, MS4.3/5, Error ellipse: s-maj=10.5km s-min=3.7km az=92.0

NEIC 13 16:45:54.4, 61.32N-150.11W, h50km, NEIC 13 16:45:54.6, 61.32N-150.15W, 12W.0.07, h48km, 2km, mb5.2/339, ML5.2/179, Mw4.9/41, Mw5.0/38, ML5.0(A/E/C), Error ellipse: s-maj=5.2km s-min=3.7km az=123.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mr=2.30; Mw=0.40; Mw2=1.38; Mw3=0.18; Mw4=1.42; Fault plane solution: Ms3.210000*10^16 NP1: p=332.020000, s=64.470000, l=-66.450000. NP2: p=333.300000, s=63.910000, l=-132.710000. Principal axes: T 3.08202, Plg16.00000, Azm273.00000; N 0.2460, Plg23.00000; Azm10.00000; P -3.3292, Plg61.00000, Azm153.00000

NEIC 13 16:45:54.4, 61.32N-150.11W, h47km, NEIC 13 16:45:54.4, 61.22N-150.32W, h50km, Moment Tensor Solution. Duration: 16 Moment tensor: Scale 10^19Nm; Mr=2.72; Mw=0.13; Mw2=8.66; Mw3=1.30; Mw4=0.32; Mw5=1.44; Mw6=1.92; Mw7=1.4; Mw8=1.64; Mw9=1.3; Mw10=3.59; Mw11=5.3; Mw12=0.8; Mw13=0.73; Mw14=0.7; Best double couple: Ms3.130000*10^16 NP1: p=327.00000, s=64.00000, l=-149.00000. NP2: p=213.00000, s=669.00000, l=-149.00000. Principal axes: T 3.9820, Plg15.00000; Azm275.00000; N -0.5120, Plg36.00000; Azm17.00000; P -3.4800, Plg50.00000; Azm167.00000, nslaz1 refers to body waves, cutoff=40s. nslaz2 refers to surface waves, cutoff=90s. Triangular moment-rate function

IDC 13 16:45:55.1-1.0, 61.36N-150.32W, h58km, 9km, mb4.7/35, mbmt4.9/41, MS4.0/79, Error ellipse: s-maj=8.4km s-min=7.4km az=72.0

ISC 13 16:45:54.0-0.3, 61.32N-0.03-150.17W, 0.03, h52km, 2km, h52km, pp-P, n1334, c#1905/1186, mb5.1/355, MS4.1/94, 71C-36D, Southern Alaska

Code Station Name Az Az' Phase ID Time Res h m s ISC

FIS Fire Island, 0.18 188 Op ISC 16 46 03.2 +0.4

FIS Fire Island, 0.18 188 IAML 16 46 11.0

RC01 Rabbit Creek A, 0.31 138 Pn 16 46 03.1 -0.7

RC01 Rabbit Creek A, 0.31 138 IAML 16 46 10.4

RC01 Rabbit Creek A, 0.31 138 Pn 16 46 03.1 -0.7

M22K Willow, 0.43 3 IAML 16 46 04.3 -0.7

M22K Willow, 0.43 3 Pn 16 46 12.7 +0.1

PMR Palmer, 0.57 61 Pn 16 46 05.6 -0.9

PMR Palmer, 0.57 61 Sn 16 46 14.7 -0.6

PMR Palmer, 0.57 61 IAML 16 46 15.2

PMR Palmer, 1.42/0.0, 0.57 61 Pn 16 46 05.8 -0.7

PMR Palmer, 1.42/0.0, 0.57 61 Pn 16 46 05.8 -0.7

CAPN Captain Cook N, 0.73 221 Pn 16 46 10.0 +1.4

GHO Glory Hole Cre, 0.75 52 Sn 16 46 08.5 -0.4

SKLK Skilak Lake, 0.82 182 Sn 16 46 19.2 +0.1

SKLK Skilak Lake, 0.82 182 IAML 16 46 23.2

STLK Strandline Lak, 0.82 283 Pn 16 46 10.3 +0.5

STLK Strandline Lak, 0.82 283 IAML 16 46 22.9 +1.4

STLK Strandline Lak, 0.82 283 IAML 16 46 23.8

KNK	Knik Glacier	0.83	83	Pn	16 46 09.6	-0.3	GOAT	Goat Mountain	2.76	103	Pn	16 46 35.3	-0.8	J25K	comp=E,4um,0.7s	IAML	16 47 51.3		
KNK	Knik Glacier	0.83	83	IAML	16 46 21.5	+0.3	CHUM	Lake Minchum	2.76	340	Pn	16 46 36.8	+0.8	J25K	comp=N,3um,0.7s	P	16 46 53.4 +0.8		
KNK	comp=N,10,3um,0.6s				16 46 24.1		CHUM	Lake Minchum	2.76	340	P	16 46 37.4	+1.4	I20K	Naaghedeneel	4.00	333	Pn	16 46 54.6 +1.6
KNK	comp=E,67um,0.6s			IAML	16 46 24.9		PAX	Faxson	2.76	51	P	16 46 37.1	+1.0	I20K	Naaghedeneel	4.00	333	Pn	16 46 54.6 +1.6
KNK	Knik Glacier	0.83	83	P	16 46 09.6	-0.3	BPBW	Bear Paw Mtn.	2.81	353	IAML	16 46 37.4	+0.6	POKR	Poker Flat Res	4.01	17	P	16 46 54.3 +1.2
O22K	Cooper Landing	0.87	165	Pn	16 46 10.0	-0.3	BPBW	Bear Paw Mtn.	2.81	353	P	16 47 26.0		KELA	Mount Kelaz	4.03	227	Pn	16 46 54.5 +0.9
O22K	Cooper Landing	0.87	165	P	16 46 10.0	-0.3	N18K	Kilae Creek	2.86	260	Pn	16 46 38.2	+0.7	M27K	Edge Creek, AK	4.07	72	IAML	16 46 55.1 +1.0
SPCG	Spurr Capps Gt	0.90	269	Sn	16 46 24.1	+1.2	N18K	Kilae Creek	2.86	260	Pn	16 46 38.3	+0.8	M27K	Edge Creek, AK	4.07	72	IAML	16 48 05.3
SPU	Mount Spurr	0.92	262	Sn	16 46 24.6	+1.2	WACK	Wrangell Chich	2.87	74	Pn	16 46 37.8	+0.1	M27K	Edge Creek, AK	4.07	72	P	16 46 54.9 +0.8
SJU	Mount Spurr	0.92	262	Sn	16 46 11.2	0.0	BWN	Brown	2.88	6	Pn	16 46 39.7	+2.0	ACHA	Angle Creek He	4.07	222	Pn	16 46 54.7 +0.7
SKT	Skwentna	0.93	316	IAML	16 46 25.6		O18K	Koktuh Hills	2.89	242	Pn	16 46 38.0	+0.1	K17K	Iditarod	4.08	294	IAML	16 48 14.4
SKT	comp=N,57um,0.6s			IAML	16 46 27.3		O18K	Koktuh Hills	2.89	242	P	16 46 38.3	+0.5	K17K	Iditarod	4.08	294	IAML	16 48 26.2
SKT	Skwentna	0.93	316	P	16 46 11.5	+0.3	Q20K	Shuyak Island	2.94	203	P	16 46 39.0	+0.5	K17K	comp=N,3um,1.1s	IAML	16 48 26.2		
SPCR	Spurr Chakacha	0.99	264	P	16 46 12.4	+0.3	Q19K	Cape Douglas,	2.96	217	P	16 46 39.5	+0.7	K17K	Iditarod	4.08	294	P	16 46 55.5 +1.3
PWL	Port Wells	1.00	117	IAML	16 46 26.0	+0.7	Q19K	Cape Douglas,	2.96	217	P	16 46 39.6	+0.7	ANCK	Angle Creek	4.13	223	Pn	16 46 55.8 +0.9
PWL	Port Wells	1.00	117	IAML	16 46 26.8		GLB	Gillette Butte	3.06	85	IAML	16 47 28.6		Q16K	King Salmon	4.20	234	Pn	16 46 56.8 +1.0
PWL	comp=E,172um,0.9s			IAML	16 46 27.7		GLB	Gillette Butte	3.06	85	IAML	16 47 31.2		Q16K	King Salmon	4.20	234	P	16 46 57.0 +1.2
PWL	Port Wells	1.00	117	P	16 46 12.0	-0.2	GLB	Gillette Butte	3.06	85	IAML	16 47 31.2		CNTO	Contact Creek	4.21	226	Pn	16 46 57.0 +1.0
SML	Sawmill	1.00	60	Sn	16 46 25.8	+0.4	KAIM	Key Island	3.16	114	P	16 46 41.9	+0.4	Q17K	Contact Creek	4.21	226	P	16 46 57.0 +0.9
SML	Sawmill	1.00	60	IAML	16 46 28.8		P18K	Big Mountain,	3.17	235	Pn	16 46 41.7	-0.1	M16K	Timber Creek	4.27	270	IAML	16 46 57.9 +1.2
SML	comp=E,58um,0.6s			IAML	16 46 29.3		P18K	Big Mountain,	3.17	235	P	16 46 42.6	+0.8	M16K	Timber Creek	4.27	270	IAML	16 46 57.9 +1.2
SML	Sawmill	1.00	60	P	16 46 12.0	-0.3	TTA	Tatalina	3.19	303	IAML	16 46 42.9	+1.0	M16K	Timber Creek	4.27	270	P	16 46 57.9 +1.2
SPBG	Spurr Blockage	1.06	268	Pn	16 46 13.6	+0.6	TTA	Tatalina	3.19	303	P	16 46 42.9	+1.0	L27K	Beaver Creek,	4.28	62	IAML	16 46 57.4 +0.4
SPBG	Chulitna	1.09	358	Pn	16 46 13.6	+0.6	TTA	Tatalina	3.19	303	P	16 46 42.9	+1.0	L27K	Beaver Creek,	4.28	62	IAML	16 48 15.5
CUT	Chulitna	1.09	358	Pn	16 46 13.7	+0.4	K24K	Donnelly Dome	3.21	37	P	16 46 43.3	+1.0	L27K	Beaver Creek,	4.28	62	P	16 46 57.5 +0.6
M23K	Glacier View	1.26	67	Pn	16 46 15.7	+0.1	L18K	Granite Mounta	3.23	289	IAML	16 46 43.4	+0.9	N16K	Nishik Lake	4.29	262	Pn	16 46 58.2 +1.2
M23K	Glacier View	1.26	67	P	16 46 15.8	+0.1	L18K	Granite Mounta	3.23	289	P	16 46 43.6	+1.2	O16K	Kokwok River B	4.29	250	IAML	16 46 57.8 +0.9
SEW	Seward	1.27	164	Pn	16 46 15.0	-0.7	L18K	Granite Mounta	3.23	289	P	16 46 43.6	+1.2	O16K	Kokwok River B	4.29	250	IAML	16 48 07.3
SEW	Seward	1.27	164	P	16 46 15.1	-0.7	NICHA	Nichavak Mount	3.23	107	IAML	16 46 42.1	-1.3	O16K	Kokwok River A	4.29	250	Pn	16 46 57.9 +0.9
SCM	Sheep Creek Mo	1.45	68	IAML	16 46 41.6		VRD	Verde Repeater	3.24	99	IAML	16 47 37.2		BCAR	Beaver Creek B	4.30	62	Pn	16 46 57.4 +0.2
SCM	Sheep Creek Mo	1.45	68	P	16 46 18.8	+0.5	BERG	Berg Lake	3.30	104	Pn	16 46 42.2	-1.2	R18K	Kariuk	4.35	212	IAML	16 46 58.1 +0.3
M20K	Styx River	1.52	293	IAML	16 46 20.6	+1.3	WRH	Wood River Hill	3.30	16	IAML	16 46 45.1	+1.6	R18K	Kariuk	4.35	212	IAML	16 48 00.8
M20K	Styx River	1.52	293	IAML	16 46 20.6	+1.3	WRH	Wood River Hill	3.30	16	IAML	16 47 39.2		R18K	comp=N,4um,0.5s	IAML	16 48 01.3		
M20K	Styx River	1.52	293	P	16 46 20.6	+1.3	NEA2	Nenana	3.32	8	P	16 46 45.1	+1.4	R18K	comp=N,4um,0.5s	IAML	16 48 01.3		
NCT	North Crescent	1.55	242	Pn	16 46 20.3	+0.6	NEA2	Nenana	3.32	8	P	16 46 44.9	+1.1	R18K	Kariuk	4.35	212	Pn	16 46 58.2 +0.3
BRSE	Bradley Lake S	1.61	190	Pn	16 46 20.3	-0.1	J20K	Nowinta River	3.40	329	IAML	16 46 45.8	+0.9	J26L	Joseph Creek	4.39	41	IAML	16 46 59.3 +0.8
BRSE	Bradley Lake S	1.61	190	P	16 46 20.3	-0.1	J20K	Nowinta River	3.40	329	IAML	16 47 26.7		J26L	Joseph Creek	4.39	41	Pn	16 47 56.3
O20K	Slope Mountain	1.73	225	P	16 46 23.3	+1.2	J20K	Nowinta River	3.40	329	IAML	16 47 51.2		J26L	Joseph Creek	4.39	41	Pn	16 46 59.2 +0.7
HOM	Homer	1.82	204	Pn	16 46 24.2	+1.0	J20K	Nowinta River	3.40	329	P	16 46 45.5	+0.7	OHAK	Old Harbor	4.41	203	Pn	16 46 57.7 -1.0
HOM	Homer	1.82	204	P	16 46 24.3	+1.0	HDA	Harding Lake	3.43	24	IAML	16 46 47.2	+2.0	OHAK	Old Harbor	4.41	203	P	16 46 57.9 -0.8
PPLA	Purkeyville	1.84	330	P	16 46 24.7	+1.0	HDA	Harding Lake	3.43	24	IAML	16 47 41.5		OHAK	Old Harbor	4.41	203	Pn	16 46 57.9 +1.0
CNPM	China Poot	1.88	197	IAML	16 46 51.0		HDA	Harding Lake	3.43	24	P	16 47 51.1		L16K	Owhat River	4.47	279	IAML	16 48 31.7
CNPM	comp=N,16um,0.1s			IAML	16 46 53.5		HDA	Harding Lake	3.43	24	Pn	16 46 46.9	+1.6	L16K	Owhat River	4.47	279	Pn	16 47 00.5 +1.0
P23K	Montague Islan	1.90	133	Pn	16 46 23.4	-1.0	MENT	Mentasta	3.44	59	Pn	16 46 45.5	+0.2	YUK2	White River	4.49	80	IAML	16 46 59.2 -0.6
P23K	Montague Islan	1.90	133	P	16 46 23.4	-1.0	MENT	Mentasta	3.44	59	Pn	16 46 45.5	+0.2	H21K	Melozitna River	4.51	346	IAML	16 48 20.8
ILS	Ilamna	1.98	228	IAML	16 46 26.5	+1.0	RIDG	Independent Ri	3.46	43	Pn	16 46 46.9	+1.2	H21K	Melozitna River	4.51	346	P	16 47 01.3 +1.3
ILSW	Ilamna Southw	1.99	229	IAML	16 46 57.7		RIDG	Independent Ri	3.46	43	P	16 46 46.9	+1.2	P16K	Nushagak River	4.53	243	Pn	16 47 01.6 +1.4
HIN	Hinchinbrook I	2.02	116	Pn	16 46 25.2	-0.8	M17K	Holtina River	3.50	275	IAML	16 46 47.4	+1.2	BVCY	Beaver Creek	4.54	72	Pn	16 47 01.2 +0.7
KLU	Klutina	2.05	83	IAML	16 46 26.4	0.0	M17K	Holtina River	3.50	275	IAML	16 48 00.3		BVCY	Beaver Creek	4.54	72	P	16 47 01.2 +0.7
KLU	Klutina	2.05	83	IAML	16 47 00.6		M17K	Holtina River	3.50	275	P	16 46 47.4	+1.2	GCSA	Galena City Sc	4.60	321	Pn	16 47 02.3 +1.1
KLU	comp=N,21um,1.0s			IAML	16 47 02.3		CCB	Clear Creek Bu	3.51	17	IAML	16 46 46.8	+0.5	GCSA	Galena City Sc	4.60	321	P	16 47 02.1 +0.9
KLU	Klutina	2.05	83	P	16 46 26.4	0.0	CCB	Clear Creek Bu	3.51	17	IAML	16 47 45.3		H22K	Ishlitalina Cre	4.62	354	Pn	16 47 03.8 +2.2
M24K	Tolsona, Glenn	2.06	66	Pn	16 46 27.0	+0.5	N17K	Nushagak Hills	3.52	260	IAML	16 46 47.3	+0.8	H22K	Ishlitalina Cre	4.62	354	Pn	16 47 03.2 +1.7
M24K	comp=N,23um,0.8s			IAML	16 47 03.2		N17K	Nushagak Hills	3.52	260	IAML	16 47 29.5		J17K	VABM Dome	4.64	301	IAML	16 47 02.7 +0.9
M24K	Tolsona, Glenn	2.06	66	P	16 46 27.6	+1.0	N17K	Nushagak Hills	3.52	260	IAML	16 47 52.5		J17K	VABM Dome	4.64	301	IAML	16 48 23.0
L20K	Farewell, AK	2.11	305	Pn	16 46 28.4	+1.2	M26K	Nabesna, Ak	3.57	69	P	16 46 47.3	+0.1	J17K	comp=E,1um,0.9s	IAML	16 48 29.7		
L20K	Farewell, AK	2.11	305	P	16 46 28.3	+1.2	KAHC	Katmai Hook Gt	3.59	220	Pn	16 46 48.9	+1.4	J17K	VABM Dome	4.64	301	P	16 47 02.7 +0.9
DIV	Divide	2.13	93	IAML	16 46 27.5	-0.1	KAHC	Katmai Hardscr	3.62	224	Pn	16 46 48.9	+0.9	H24K	Noodor Dome	4.65	12	IAML	16 47 03.3 +1.3
TRF	Thorofore Moun	2.14	359	IAML	16 47 13.5	-0.1	KAHC	Katmai Hardscr	3.62	224	P	16 46 49.3	+1.3	H24K	Noodor Dome	4.65	12	IAML	16 48 26.7
TRF	Thorofore Moun	2.14	359	P	16 46 28.8	+1.1	Q18K	Katmai Hardscr	3.62	224	P	16 46 48.8	+0.5	H24K	Noodor Dome	4.65	12	P	16 47 03.3 +1.3
N19K	Bonanza Creek	2.16	258	Pn	16 46 29.0	+1.0	L26K	Log Chain Wild	3.63	59	P	16 46 48.7	+0.7	YUK3	Moose Creek	4.67	80	Pn	16 47 02.2 -0.2
N19K	Bonanza Creek	2.16	258	P	16 46 29.1	+1.1	DOT	Dot Lake	3.67	48	Pn	16 46 49.9	+0.7	YUK3	Moose Creek	4.67	80	P	16 47 02.5 +1.0
RND	Reindeer	2.18	16	IAML	16 46 29.0	+0.8	J19K	Poorman	3.68	319	IAML	16 47 48.8		H20K	Anotleneega Mo	4.69	335	Pn	16 47 03.4 +0.9
RND	Reindeer	2.18	16	IAML	16 47 08.2		J19K	Poorman	3.68	319	IAML	16 47 53.8		H20K	Anotleneega Mo	4.69	335	P	16 47 03.1 +0.6
RND	comp=N,10um,1.1s			IAML	16 47 09.1		J19K	Poorman	3.68	319	Pn	16 46 49.7	+1.1	PRP	Porcupine Dome	4.70	24	IAML	16 47 03.8 +1.0
RND	Reindeer	2.18	16	Pn	16 46 29.0	+0.8	COLA	College	3.72	15	Pn	16 46 49.8	+0.7	PRP	Porcupine Dome	4.70	24	IAML	16 48 14.3
OPT	Oil Pt	2.26	224	P	16 46 30.6	+1.3	COLA	College	3.72	15	Pn	16 46 50.1	+0.9	PRP	comp=N,2um,0.7s	IAML	16 48 20.1		
P19K	Oil Pt	2.26	224	Pn	16 47 03.3		COLA	College	3.72	15	P	16 46 52.0	+2.9	PRP	comp=E,2um,1.0s	IAML	16 47 04.6 +1.8		

L15K	Ungalak Mounta	5.43 279	P	Pn	16 47 13.7 +1.0
K15K	Wolf Creek Mou	5.48 285	P	Pn	16 47 14.4 +1.2
K15K	Wolf Creek Mou	5.48 285	P	Pn	16 47 14.9 +1.6
H17K	Unalakleet	5.50 302	P	Pn	16 47 14.8 +1.3
H17K	Unalakleet	5.50 302	P	Pn	16 47 14.8 +1.3
G24K	Hadweenicz Riv	5.53 11	P	Pn	16 47 16.0 +2.0
YUKA	Talbot Arm	5.55 85	P	Pn	16 47 15.4 +0.9
M29M	Somme Creek	5.65 73	P	Pn	16 47 16.1 +0.3
M29M	Somme Creek	5.65 73	P	Pn	16 47 16.0 +0.3
DAWY	Dawson	5.67 56	P	Pn	16 47 16.6 +0.7
H17K	Granite Mounta	5.72 314	P	Pn	16 47 17.8 +1.3
H17K	Granite Mounta	5.72 314	P	Pn	16 47 17.8 +1.3
G19K	Purceil Mounta	5.73 331	P	Pn	16 47 17.1 +0.4
YUK6	Outpost Mounta	5.73 89	P	Pn	16 47 17.4 +0.4
I27K	Kandik River	5.76 38	P	Pn	16 47 17.5 +0.4
M14K	Bethel	5.76 269	P	Pn	16 47 18.3 +1.2
O29M	Mount Kennedy	5.76 95	P	Pn	16 47 17.4 0.0
O29M	Mount Kennedy	5.76 95	P	Pn	16 47 17.5 +0.1
N14K	Kuskokwak Cree	5.84 261	P	Pn	16 47 19.5 +1.3
N14K	Kuskokwak Cree	5.84 261	P	Pn	16 47 19.3 +1.1
O14K	Tiguyakuivet M	5.89 254	P	Pn	16 47 20.2 +1.2
O14K	Tiguyakuivet M	5.89 254	P	Pn	16 47 20.0 +1.0
L29M	L29M	5.91 67	P	Pn	16 47 19.8 +0.6
L29M	L29M	5.91 67	P	Pn	16 47 19.6 +0.3
COLD	Coldfoot	5.93 360	P	Pn	16 47 20.8 +1.3
COLD	Coldfoot	5.93 360	P	Pn	16 47 20.8 +1.3
G18K	Tagagawik	5.95 324	P	Pn	16 47 20.6 +0.9
YUK5	Granite Creek	5.95 86	P	Pn	16 47 19.1 -0.8
L14K	Kuka Creek	6.03 276	P	Pn	16 47 22.3 +1.6
AZAC	Aniakchak	6.08 227	P	Pn	16 47 22.7 +1.1
F21K	Alatina River	6.10 348	P	Pn	16 47 23.4 +1.6
F21K	Alatina River	6.10 348	P	Pn	16 47 23.5 +1.7
ANPB	Aniakchak Plen	6.17 226	P	Pn	16 47 24.4 +1.6
HYT	Haines Junctio	6.17 89	P	Pn	16 47 23.0 +0.1
HYT	Haines Junctio	6.17 89	P	Pn	16 47 23.3 +0.4
I28M	Miner Creek	6.18 44	P	Pn	16 47 23.5 +0.5
I28M	Miner Creek	6.18 44	P	Pn	16 47 23.6 +0.5
CHIR	Chirikof Islan	6.21 210	P	Pn	16 47 24.0 +0.8
CHIR	Chirikof Islan	6.21 210	P	Pn	16 47 24.6 +1.3
H27K	Steamboat Moun	6.24 34	P	Pn	16 47 24.5 +0.8
H27K	Steamboat Moun	6.24 34	P	Pn	16 47 25.1 +1.4
F20K	Avaraart Lake	6.24 340	P	Pn	16 47 24.7 +1.0
F20K	Avaraart Lake	6.24 340	P	Pn	16 47 25.3 +1.6
N30M	Aishikik Lake	6.29 83	P	Pn	16 47 23.2 -1.2
N30M	Aishikik Lake	6.29 83	P	Pn	16 47 24.1 -0.3
G17K	Kiwalik Mounta	6.30 316	P	Pn	16 47 25.2 +0.7
G17K	Kiwalik Mounta	6.30 316	P	Pn	16 47 25.3 +0.7
G26K	Porcupine River	6.30 24	P	Pn	16 47 25.8 +1.3
G26K	Porcupine River	6.30 24	P	Pn	16 47 26.3 +1.8
F24K	Squaw Lake	6.30 8	P	Pn	16 47 26.1 +1.6
K29M	Barlow Dome	6.37 61	P	Pn	16 47 26.3 +0.8
K29M	Barlow Dome	6.37 61	P	Pn	16 47 26.0 +0.4
P29M	Windy Craggy	6.38 100	P	Pn	16 47 25.0 -0.6
P29M	Windy Craggy	6.38 100	P	Pn	16 47 25.7 +0.1
H16K	Elim	6.43 306	P	Pn	16 47 27.1 +0.9
M30M	Minto, Yukon	6.43 73	P	Pn	16 47 26.6 +0.2
F19K	Shalercukik Mo	6.46 332	P	Pn	16 47 27.5 +0.9
J14K	Nanvaranak Lak	6.46 289	P	Pn	16 47 28.0 +1.3
J14K	Nanvaranak Lak	6.46 289	P	Pn	16 47 27.9 +1.3
M13K	Dall Lake	6.50 268	P	Pn	16 47 28.1 +0.8
M13K	Dall Lake	6.50 268	P	Pn	16 47 28.8 +1.5
BMAR	Burnt Mountain	6.59 19	P	Pn	16 47 29.1 +0.5
P30M	Million Dollar	6.59 95	P	Pn	16 47 28.4 -0.2
P30M	Million Dollar	6.59 95	P	Pn	16 47 29.1 +0.5
F25K	Christian River	6.59 15	P	Pn	16 47 30.2 +1.6
F25K	Christian River	6.59 15	P	Pn	16 47 30.4 +1.9
CHGN	Chignik	6.61 224	P	Pn	16 47 29.7 +1.0
CHGN	Chignik	6.61 224	P	Pn	16 47 30.2 +1.5
G27K	Doyon Strip	6.65 30	P	Pn	16 47 30.5 +1.1
G27K	Doyon Strip	6.65 30	P	Pn	16 47 30.9 +0.9
E23K	Chandalar	6.77 2	P	Pn	16 47 31.8 +0.8
E24K	Your Creek	6.82 5	P	Pn	16 47 33.3 +1.6
G16K	Koyuk River	6.83 312	P	Pn	16 47 32.7 +1.0
G16K	Koyuk River	6.83 312	P	Pn	16 47 32.8 +1.0
O30N	Mendenhall	6.86 88	P	Pn	16 47 31.6 -0.6
O30N	Mendenhall	6.86 88	P	Pn	16 47 32.2 0.0
E19K	Redstone River	6.88 337	P	Pn	16 47 33.4 +1.0
E19K	Redstone River	6.88 337	P	Pn	16 47 34.1 +1.7
E22K	Anaktuvuk Pass	6.88 355	P	Pn	16 47 34.1 +1.6
F26K	Sheenjek River	6.90 19	P	Pn	16 47 34.2 +1.4
F26K	Sheenjek River	6.90 19	P	Pn	16 47 34.2 +1.4
N31M	Braeburn, Yuko	6.91 82	P	Pn	16 47 32.7 -0.2
N31M	Braeburn, Yuko	6.91 82	P	Pn	16 47 33.2 +0.3
VNHG	Veniaminof I	6.93 226	P	Pn	16 47 34.2 +1.0
K13K	Kusilvak Mount	6.93 281	P	Pn	16 47 34.1 +0.9
K13K	Kusilvak Mount	6.93 281	P	Pn	16 47 34.5 +1.3
MAYO	Mayo, Yukon	7.00 65	P	Pn	16 47 34.8 +0.7
PLBC	Pleasant Camp	7.09 99	P	Pn	16 47 35.5 +0.2
J30M	Hart River	7.10 57	P	Pn	16 47 36.7 +1.1
J30M	Hart River	7.10 57	P	Pn	16 47 36.3 +0.7
E25K	Arctic Village	7.10 14	P	Pn	16 47 36.9 +1.3
H29M	Whitestone	7.17 42	P	Pn	16 47 36.9 +0.5
G15K	Niukuk	7.28 306	P	Pn	16 47 39.1 +1.2
G15K	Niukuk	7.28 306	P	Pn	16 47 39.5 +1.6
I30M	Mount Dempster	7.34 52	P	Pn	16 47 40.1 +1.2
TOLK	Tookik Lake Re	7.36 2	P	Pn	16 47 40.1 +1.1
E20K	Nigu River	7.42 342	P	Pn	16 47 42.0 +2.1
E20K	Nigu River	7.42 342	P	Pn	16 47 42.0 +2.1
WHY	Whitehorse	7.46 88	P	Pn	16 47 40.3 -0.3
WHY	Whitehorse	7.46 88	P	Pn	16 47 40.4 -0.2
M31M	Drury Creek, Y	7.54 76	P	Pn	16 47 41.9 +0.5
M31M	Drury Creek, Y	7.54 76	P	Pn	16 47 41.7 +0.2
SKAG	Skagway	7.58 98	P	Pn	16 47 41.9 -0.2
SKAG	Skagway	7.58 98	P	Pn	16 47 41.9 -0.2
SKAG	Skagway	7.58 98	P	Pn	16 47 42.2 +0.1

E18K	Tukpahleirik C	7.60 328	P	Pn	16 47 43.6 +1.3
E18K	Tukpahleirik C	7.60 328	P	Pn	16 47 43.6 +1.3
ANM	Nome	7.65 302	P	Pn	16 47 44.0 +0.9
D23K	Nanushuk River	7.68 359	P	Pn	16 47 45.1 +1.7
E17K	Hotham Inlet	7.69 324	P	Pn	16 47 44.8 +1.3
F28M	Old Crow	7.71 31	P	Pn	16 47 44.7 +0.8
F28M	Old Crow	7.71 31	P	Pn	16 47 45.1 +1.2
G29M	Pine Creek	7.72 38	P	Pn	16 47 45.6 +1.7
G29M	Pine Creek	7.72 38	P	Pn	16 47 45.0 +1.1
E27K	Coleen River	7.80 24	P	Pn	16 47 46.1 +1.1
E27K	Coleen River	7.80 24	P	Pn	16 47 46.4 +1.4
EPYK	Esple Plains	7.80 44	P	Pn	16 47 46.6 +1.6
EPYK	Esple Plains	7.80 44	P	Pn	16 47 45.8 +0.8
F15K	North Star Dit	7.82 310	P	Pn	16 47 46.7 +1.4
F15K	North Star Dit	7.82 310	P	Pn	16 47 46.8 +1.6
S31K	Pelican	7.82 109	P	Pn	16 47 44.1 -1.2
R31K	City Hall, Gus	7.82 105	P	Pn	16 47 45.2 -0.2
M11K	Mekoryuk	7.88 270	P	Pn	16 47 47.6 +1.4
D24K	Happy Valley	7.89 4	P	Pn	16 47 49.1 +2.9
D20K	Etluuk River	7.90 343	P	Pn	16 47 48.3 +1.8
D20K	Etluuk River	7.90 343	P	Pn	16 47 48.8 +2.3
D19K	Kuna River	7.95 338	P	Pn	16 47 48.9 +1.8
D19K	Kuna River	7.95 338	P	Pn	16 47 48.8 +1.7
FARO	Faro, Yukon	8.03 76	P	Pn	16 47 48.3 +0.1
C21K	Knifeflade Rid	8.10 348	P	Pn	16 47 51.1 +1.9
C21K	Knifeflade Rid	8.10 348	P	Pn	16 47 50.4 +1.3
BESE	Bessie Mountai	8.16 103	P	Pn	16 47 49.6 -0.5
D25K	Kavik River	8.19 9	P	Pn	16 47 52.0 +1.6
CHNA	Chernabura Isl	8.20 222	P	Pn	16 47 51.4 +0.9
CHNA	Chernabura Isl	8.20 222	P	Pn	16 47 54.9 +4.4
N32M	Quiet Lake	8.24 84	P	Pn	16 47 51.9 +0.7
G30M	Zrail Nij	8.31 41	P	Pn	16 47 51.9 -0.2
P32M	Atlin	8.31 95	P	Pn	16 47 51.7 -0.4
P32M	Atlin	8.31 95	P	Pn	16 47 51.9 -0.2
F14K	Arctic Creeper	8.35 307	P	Pn	16 47 53.9 +1.3
F14K	Arctic Creeper	8.35 307	P	Pn	16 47 54.7 +2.1
S12K	Black Hills	8.39 233	P	Pn	16 47 54.4 +1.3
R32K	Aglegreest	8.46 104	P	Pn	16 47 53.3 -0.7
C24K	Franklin Bluff	8.46 3	P	Pn	16 47 55.6 +1.6
D17K	Noatak River	8.47 325	P	Pn	16 47 55.2 +1.0
D17K	Noatak River	8.47 325	P	Pn	16 47 55.8 +1.6
JIS	Juneau Island	8.52 104	P	Pn	16 47 54.0 -0.9
JIS	Juneau Island	8.52 104	P	Pn	16 47 54.0 -0.9
C23K	Hiki River	8.55 359	P	Pn	16 47 56.4 +1.1
P33M	Teslin, Yukon	8.56 90	P	Pn	16 47 54.8 -0.8
P33M	Teslin, Yukon	8.56 90	P	Pn	16 47 56.1 +0.5
PNTA	Paul North-7	8.56 232	P	Pn	16 47 56.4 +0.8
E28M	Babbage River	8.57 27	P	Pn	16 47 56.2 +0.6
RDOG	Red Dog Mine	8.67 327	P	Pn	16 47 57.7 +0.8
RDOG	Red Dog Mine	8.67 327	P	Pn	16 47 58.4 +1.5
C18K	Utukteg Mine	8.70 332	P	Pn	16 47 58.6 +1.3
SIT	Sitka	8.73 113	P	Pn	16 47 56.9 -0.8
SIT	Sitka	8.73 113	P	Pn	16 47 57.8 +0.1
SIT	Sitka	8.73 113	P	Pn	16 47 56.9 -0.8
SIT	Sitka	8.73 113	P	Pn	16 47 56.9 -0.8
C27K	Jago River	8.76 15	P	Pn	16 47 59.6 +1.5
E29M	Blow River	8.79 31	P	Pn	16 48 00.1 +1.5
D27M	Malcolm River	8.83 22	P	Pn	16 48 00.7 +1.5
F30M	Barrier River	8.83 38	P	Pn	16 48 00.5 +1.4
S32K	Killisnoo	8.84 109	P	Pn	16 47 58.4 -0.8
C26K	Camden Bay	8.90 12	P	Pn	16 48 01.8 +1.8
G31M	Satah River	8.92 44	P	Pn	16 48 00.6 +0.3
G31M	Satah River	8.92 44	P	Pn	16 48 01.2 +0.9
TNA	Tin City	9.00 306	P	Pn	16 48 02.7 +1.2
TNA	Tin City	9.00 306	P	Pn	16 48 03.4 +1.9
C17K	DeLong Mountai	9.04 328	P	Pn	16 48 03.5 +1.5
C17K	DeLong Mountai	9.04 328	P	Pn	16 48 03.7 +1.7
B22K	Teshehpuk Lake	9.15 353	P	Pn	16 48 04.1 +0.6
B22K	Teshehpuk Lake	9.15 353	P	Pn	16 48 04.6 +1.1
B20K	Meade River	9.18 345	P	Pn	16 48 04.7 +0.9
B20K	Meade River	9.18 345	P	Pn	16 48 04.9 +1.1
Q32M	Nakina River	9.23 97	P	Pn	16 48 04.2 -0.6
Q32M	Nakina River	9.23 97	P	Pn	16 48 04.5 -0.3
D28M	Storier Point	9.33 26	P	Pn	16 48 06.9 +0.9
F31M	Tsighehtich	9.37 42	P	Pn	16 48 06.6 +0.1
B18K	Kolik River	9.40 334	P	Pn	16 48 08.3 +1.4
B18K	Kolik River	9.40 334	P	Pn	16 48 08.2 +1.2
C16K	Lisburne Hills	9.49 324	P	Pn	16 48 09.6 +1.5
C16K	Lisburne Hills	9.49 324	P	Pn	16 48 09.6 +1.5
FALS	False Pass	9.54 233	P	Pn	16 48 10.2 +1.4
R33M	Jennings River	9.70 93	P	Pn	16 48 11.8 +0.6
A22K	Sinclair Lake	9.91 351	P	Pn	16 48 15.6 +1.8
T33K	Petersburg	9.94 109	P	Pn	16 48 15.0 +0.8
INK	Inuvik	9.94 38	P	Pn	16 48 14.4 +0.2
INK	Inuvik	9.94 38	P	Pn	16 48 15.2 +0.1
INK	Inuvik	9.94 38	P	Pn	16 50 06.6 +2.6
INK	Inuvik	9.94 38	P	Pn	16 50 06.6 +2.6
INK	Inuvik				

Table with columns: PDG, Podgorica, 76.25, 8, Iamb, Iamb, 16 57 37.4, etc. Lists various astronomical objects and their coordinates.

Table with columns: MDT, Midelt, 82.10, 29, LR, LR, 17 36 02.9, etc. Lists various astronomical objects and their coordinates.

Table with columns: MACA, Manacapuru-AM, 16.74, 42, P, P, 16 57 00.2 +0.9, etc. Lists various astronomical objects and their coordinates.

NEIC 13 16:53:12.0±2.5, 15:865±0.008:71:90W±0.10, h118km, 16km, mb4.3/21, Error ellipse: s-maj=13.7km

VAO 13 16:53:12.0±2.0, 15:795±0.175W:71:75W, h115km, 6km, mb4.5

RSNC 13 16:53:12.1±1.1, 16:5±0.2, h114km, 7km, M3.5, mb4.1, mb4.4, mbC5.3, ML3.0, MLv3.3, Mw(mb)4.3

Hyocentre not reviewed by the ISC

GUC 13 16:53:13.9±0.8, 16:075±0.220W: h125km, 8km, ML4.4

IDC 13 16:53:13.2±1.7, 15:875±0.171W, h120km, 15km, mb3.77, mbmp4.1/10, MS2.1/10, Error ellipse: s-maj=19.1km

ISC 13 16:53:11.2±0.5, 15:845±0.05:71:88W±0.06, h114km, n91, 13/43/88, mb4.1/10, 4D, Southern Peru

PRES 13 17:12:29.6: 1.1, 26:32S:29:79E, h0km, ML2.5, Suspected explosion

IDC 13 17:12:32.1±4.9, 26:28S:29:46E, h0km, mbtmp3.5/3, ML2.5/3, Error ellipse: s-maj=38.2km s-min=25.5km az=81.0

ISC 13 17:12:29.9: 1.2, 26:34S:0:05:29:71E:0:05, h0km, n18, 13/93/34, South Africa

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC, etc. Lists seismic station data.

ASIES 13 18:28:26.6, 22.93N, 121.21E, h29km, ML4.4, Mw3.9, Moment Tensor Solution, Moment tensor: Scale 10²¹Nm; M₁:5.81; M₂:6.29; M₃:3.51; M₄:6.66; M₅:2.14; M₆:4.84; Fault plane solution: M₁:62.300x10²¹ NP1: $\phi_1=227.33000^\circ, \lambda_1=35.000^\circ, \lambda_2=57.000^\circ$; NP2: $\phi_2=113.0000^\circ, \lambda_2=78.0000^\circ, \lambda_3=126.18000^\circ$. Principal axes: T P1g50.5100°, Azm64.1240°; N P1g33.8810°, Azm279.5510°; P P1g17.8210°, Azm177.0850°; JMA 13 18:28:27.3, 0.2, 23.1N, 0.12E, h34km, 1km, MW4.2/18, TAIWAN REGION

NIED 13 18:28:27.3, 23.05N, 121.28E, h34km, MW4.1, Moment Tensor Solution, Moment tensor: Scale 10²¹Nm; M₁:0.10; M₂:0.83; M₃:0.72; M₄:1.07; M₅:0.63; M₆:0.65; Fault plane solution: M₁:60.000x10²¹ NP1: $\phi_1=208.0000^\circ, \lambda_1=39.0000^\circ, \lambda_2=4.0000^\circ$; NP2: $\phi_2=115.0000^\circ, \lambda_2=77.0000^\circ, \lambda_3=129.0000^\circ$.

IDC 13 18:28:30.9, 4.4, 23.00N, 121.58E, h75km, 41km, mb3.6/14, mbtmp3.8/17, ML3.3/3, MS3.3/3 Error ellipse: s-maj=29.5km s-min=14.7km az=60.0

ISC 13 18:28:25.4, 0.6, 22.91N, 0.02, 121.34E, h30km, 3km, n212, $\sigma_1=28/319, mb4.0/19, P6C3D, Taiwan region$

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
Op	ISC	h	s	ISC	
EDH	Donghe	0.07 335	U/S	18 28 31.9 +1.3	Pb
EDH	Donghe	0.07 335	I/S	18 28 35.7 +1.7	Sb
LONT	Longtang	0.19 269	I/P	18 28 31.8 +0.2	Pb
LONT	Longtang	0.19 269	S/P	18 28 35.3 -0.4	Sb
CHKT	Chengkung	0.19 8	I/S	18 28 32.9 +0.6	Pn
CHKT	Chengkung	0.19 8	S/S	18 28 38.0 +2.3	Sb
TTN	Taitung	0.23 228	I/P	18 28 32.2 +0.3	Pb
TTN	Taitung	0.23 228	S/P	18 28 37.6 +1.2	Sb
TW	Pinlang	0.26 250	I/P	18 28 32.1 -0.2	Pb
TW	Pinlang	0.26 250	S/P	18 28 36.0 -0.9	Sb
LDUT	Ludao	0.27 152	I/S	18 28 47.2 +1.3	Pn
LDUT	Ludao	0.27 152	S/S	18 28 40.8 +2.4	Sb
CHKH	Chenggong	0.29 11	I/P	18 28 33.9 +0.2	Pn
CHKH	Chenggong	0.29 11	S/P	18 28 39.4 +0.4	Sb
FULB	Fulli	0.29 352	I/P	18 28 37.7 -0.1	Pn
FULB	Fulli	0.29 352	S/P	18 28 39.3 +0.2	Sb
ELDTW	Lidau	0.41 314	I/P	18 28 41.4 +1.1	Pn
ELDTW	Lidau	0.41 314	S/P	18 28 38.5 -2.1	Sb
EYUL	Yuli	0.44 358	I/P	18 28 34.9 0.0	Pn
EYUL	Yuli	0.44 358	S/P	18 28 41.2 -0.1	Sb
TWFI	Yuli	0.44 355	I/P	18 28 34.8 -0.1	Pn
TWFI	Yuli	0.44 355	S/P	18 28 34.9 +0.5	Sb
TAIMALI	Taimali	0.47 229	I/P	18 28 40.7 -1.5	Pn
TAIMALI	Taimali	0.47 229	S/P	18 28 34.9 -0.7	Sb
YU-LI	Yu-li	0.48 356	I/P	18 28 35.1 -0.5	Pn
YU-LI	Yu-li	0.48 356	S/P	18 28 40.3 -2.2	Sb
YU-LI	Yu-li	0.48 356	I/P	18 28 35.2 -0.4	Pn
YU-LI	Yu-li	0.48 356	S/P	18 28 41.4 +1.1	Sb
STYH	Taoyuan	0.58 297	I/P	18 28 36.7 -0.4	Pn
STYH	Taoyuan	0.58 297	S/P	18 28 44.1 -1.0	Sb
EYH	Wanrong	0.58 1	I/P	18 28 36.9 -0.3	Pn
EYH	Wanrong	0.58 1	S/P	18 28 44.3 -0.9	Sb
HGSD	Ruisui	0.59 8	I/P	18 28 36.0 -0.2	Pn
HGSD	Ruisui	0.59 8	S/P	18 28 47.2 +0.8	Sb
EYH	Hungye	0.59 359	I/P	18 28 36.9 -0.5	Pn
EYH	Hungye	0.59 359	S/P	18 28 44.3 -1.3	Sb
ESMG	Majia	0.67 252	I/P	18 28 38.1 -0.5	Pn
ESMG	Majia	0.67 252	S/P	18 28 45.7 -1.9	Sb
TAW	Tawu	0.68 217	I/P	18 28 47.1 -0.5	Pn
TAW	Tawu	0.68 217	S/P	18 28 46.8 -1.2	Sb
EAST	Anshuo	0.69 221	I/P	18 28 38.5 -0.5	Pn
EAST	Anshuo	0.69 221	S/P	18 28 47.1 -1.2	Sb
TAWH	Dawu Township	0.70 216	I/P	18 28 38.7 -0.5	Pn
TAWH	Dawu Township	0.70 216	S/P	18 28 47.3 -1.2	Sb
MASBT	Mashibuluo	0.71 246	I/P	18 28 47.3 -1.2	Pn
MASBT	Mashibuluo	0.71 246	S/P	18 28 46.8 -2.1	Sb
SGST	Jiashian	0.71 284	I/P	18 28 38.7 -0.8	Pn
SGST	Jiashian	0.71 284	S/P	18 28 47.7 -1.2	Sb
WTP	Ta-pu	0.74 297	I/P	18 28 39.9 -0.1	Pn
WTP	Ta-pu	0.74 297	S/P	18 28 46.5 +0.5	Sb
TPUB	Ta-pu	0.76 301	Pn	18 28 40.4 +0.3	Pn
TPUB	Ta-pu	0.76 301	Pb	18 28 40.4 +0.3	Pb
TPUB	Ta-pu	0.76 301	P	18 28 49.9 -0.3	P
TPUB	Ta-pu	0.76 301	P	18 28 40.2 0.0	P
TPUB	Ta-pu	0.76 301	P	18 28 49.9 -0.3	P
EGFH	Guangfu	0.76 6	I/P	18 28 49.3 -0.3	Pn
EGFH	Guangfu	0.76 6	S/P	18 28 45.7 -0.7	Sb
ALS	Alishan	0.77 321	I/P	18 28 40.6 0.0	Pn
ALS	Alishan	0.77 321	S/P	18 28 50.9 0.0	Sb
CSCH	Cishan	0.78 268	I/P	18 28 40.9 +0.3	Pn
CSCH	Cishan	0.78 268	S/P	18 28 41.1 +0.3	Sb
CSNT	Nanshi	0.79 290	I/P	18 28 51.5 -0.1	Pn
CSNT	Nanshi	0.79 290	S/P	18 28 43.5 +0.6	Sb
SGLT	Jiouru	0.80 257	I/P	18 28 53.8 +2.2	Pn
SGLT	Jiouru	0.80 257	S/P	18 28 39.7 -1.1	Sb
WARBT	Fenglin Townsh	0.81 3	I/P	18 28 41.2 +0.2	Pn
WARBT	Fenglin Townsh	0.81 3	S/P	18 28 52.1 +0.1	Sb
CHN4	Tsashuan	0.81 303	I/P	18 28 41.7 +0.3	Pn
CHN4	Tsashuan	0.81 303	S/P	18 28 43.0 +0.1	Sb
SNST	Tainan City	0.83 292	I/P	18 28 42.7 +1.1	Pn
SNST	Tainan City	0.83 292	S/P	18 28 54.0 +1.1	Sb
TWM1	Shoushan	0.85 264	I/P	18 28 40.8 -0.6	Pn
TWM1	Shoushan	0.85 264	S/P	18 28 41.4 0.0	Sb
SLIU	Shizi	0.85 216	I/P	18 28 42.0 +0.3	Pn
SLIU	Shizi	0.85 216	S/P	18 28 42.0 +0.3	Sb
SCZT	Fangliang	0.85 308	I/P	18 28 53.7 +0.8	Pn
SCZT	Fangliang	0.85 308	S/P	18 28 41.8 0.0	Sb
WCKO	Wanrong	0.86 295	I/P	18 28 53.1 -0.1	Pn
WCKO	Wanrong	0.86 295	S/P	18 28 41.7 +0.2	Sb
TWK	Wanrong	0.86 348	I/P	18 28 42.5 +0.1	Pn
TWK	Wanrong	0.86 348	S/P	18 28 55.4 +1.5	Sb
LAY	Lan-yu	0.90 13	I/P	18 28 42.6 +0.1	Pn
LAY	Lan-yu	0.90 13	S/P	18 28 53.3 +1.2	Sb
SHUL	Shoufeng	0.90 331	I/P	18 28 43.3 +0.6	Pn
SHUL	Shoufeng	0.90 331	S/P	18 28 54.5 +0.7	Sb
WHYT	Xinyi Township	0.90 331	I/P	18 28 41.3 -0.9	Pn
WHYT	Xinyi Township	0.90 331	S/P	18 28 44.5 +1.8	Sb
ESL	Shilin	0.91 6	I/P	18 28 57.0 +2.5	Pn
ESL	Shilin	0.91 6	S/P	18 28 44.4 +1.6	Sb
CHN3	Shinhua	0.91 281	I/P	18 28 44.4 +1.6	Pn
CHN3	Shinhua	0.91 281	S/P	18 28 52.9 +4.0	Sb
CHNT	Tainan City	0.92 277	I/P	18 28 44.4 +1.6	Pn
CHNT	Tainan City	0.92 277	S/P	18 28 47.2 +2.9	Sb
SNJT	Lan-yu	0.93 166	I/P	18 28 42.0 -0.5	Pn
SNJT	Lan-yu	0.93 166	S/P	18 28 44.7 +1.6	Sb
SNJT	Kaohsiung City	0.94 261	I/P	18 28 52.0 +0.0	Pn
SNJT	Kaohsiung City	0.94 261	S/P	18 28 43.3 0.0	Sb
SSLB	Suanglung	0.94 338	I/P	18 28 43.5 +0.6	Pn
SSLB	Suanglung	0.94 338	S/P	18 28 44.7 +1.6	Sb
SSLB	Suanglung	0.94 338	P	18 28 43.2 -0.1	P
SSLB	Suanglung	0.94 338	P	18 28 56.5 +1.0	P
TEYL	Yanliu Villag	0.98 14	I/P	18 28 44.7 +0.7	Pn
TEYL	Yanliu Villag	0.98 14	S/P	18 28 58.6 +2.1	Sb
TEYL	Yanliu Villag	0.98 14	P	18 28 45.0 +0.7	P
TEYL	Yanliu Villag	0.98 14	P	18 28 58.8 +1.7	P
CHN2	Minshiung	1.01 308	I/P	18 28 45.3 +0.8	Pn
CHN2	Minshiung	1.01 308	S/P	18 28 59.5 +1.9	Sb
CHY	Chiayi	1.02 305	I/P	18 28 45.3 +0.8	Pn
CHY	Chiayi	1.02 305	S/P	18 28 59.5 +1.9	Sb
WSSB	Gushan	1.03 255	I/P	18 28 45.3 +0.8	Pn
WSSB	Gushan	1.03 255	S/P	18 28 59.5 +1.9	Sb
TAIH	Yung-k'ang	1.03 277	I/P	18 28 45.3 +0.8	Pn
TAIH	Yung-k'ang	1.03 277	S/P	18 28 59.5 +1.9	Sb
WLCH	Liujiu	1.04 238	I/P	18 28 47.0 +2.1	Pn
WLCH	Liujiu	1.04 238	S/P	18 29 01.7 +3.4	Sb
SMLT	Sun Moon Lake	1.05 338	I/P	18 28 44.5 +0.2	Pn
SMLT	Sun Moon Lake	1.05 338	S/P	18 28 59.4 +0.9	Sb
OWD	Renai	1.05 352	I/P	18 28 47.0 +2.4	Pn
OWD	Renai	1.05 352	S/P	18 28 58.8 +1.0	Sb
WGK	Gukeng	1.05 318	I/P	18 28 45.8 +0.8	Pn
WGK	Gukeng	1.05 318	S/P	18 29 00.7 +2.2	Sb
WJK	Hengchun	1.06 212	I/P	18 28 44.6 +0.4	Pn
WJK	Hengchun	1.06 212	S/P	18 28 58.1 +0.2	Sb
WJK	Hengchun	1.06 212	P	18 28 47.0 +2.1	P
WJK	Hengchun	1.06 212	P	18 28 59.4 +0.9	P
TWK1	Yuch	1.08 336	I/P	18 28 46.4 +0.8	Pn
TWK1	Yuch	1.08 336	S/P	18 28 46.6 +1.3	Sb
TYC	Yuch	1.08 336	I/S	18 29 01.7 +2.8	Pn
TYC	Yuch	1.08 336	S/S	18 28 46.3 +1.0	Sb
SCLT	Jiali	1.08 284	I/S	18 28 46.2 +0.6	Pn
SCLT	Jiali	1.08 284	S/S	18 29 00.8 +1.4	Sb
WDL	Douliou City	1.09 318	I/S	18 28 46.2 +0.5	Pn
WDL	Douliou City	1.09 318	S/S	18 29 00.9 +1.5	Sb

HWA	Hwalien	1.09 13	EP	Pn	18 28 45.0 +0.2
HWA	Hwalien	1.09 13	EP	Pn	18 28 58.8 0.0
WUSB	Renai	1.10 349	EP	Pb	18 28 46.1 +0.2
LXIB	Xiulin Townshi	1.11 4	EP	Pb	18 28 44.6 -0.5
CHNB	Yiju	1.12 293	I/P	Pb	18 28 46.3 0.0
CHNB	Yiju	1.12 293	S/P	Pb	18 29 01.9 +0.8
WTK	Tuku	1.17 312	EP	Sb	18 28 47.1 +0.1
WTK	Tuku	1.17 312	S	Sb	18 29 03.2 +1.4
TSCK	Chigu Township	1.18 282	EP	Sb	18 28 47.3 +0.1
TSCK	Chigu Township	1.18 282	S	Sb	18 29 03.9 -0.1
WSL	Shuilin Townsh	1.19 301	I/P	Sb	18 28 47.2 -0.1
WSL	Shuilin Townsh	1.19 301	S/P	Sb	18 29 03.1 +0.7
TWD	Chiawan	1.19 12	EP	Pn	18 28 45.9 -0.2
WCS	Beigang Elemen	1.21 341	EP	Pb	18 28 48.5 +0.9
WCS	Beigang Elemen	1.21 341	S	Pb	18 29 04.2 +1.3
WHF	Hehuan Shan	1.23 357	EP	Pn	18 28 47.7 +0.6
WHF	Hehuan Shan	1.23 357	S	Pn	18 29 03.0 +0.1
WSF	Zhuzhu	1.25 306	EP	Pb	18 28 47.9 -0.6
WSF	Zhuzhu	1.25 306	S	Pb	18 29 04.2 -0.1
ETL	Fush Village	1.27 12	EP	Sb	18 28 47.9 +0.7
NACB	Ninganchiao	1.28 11	Pn	Pn	18 28 46.8 -0.6
NACB	Ninganchiao	1.28 11	Pb	Pn	18 28 47.1 -0.2
NACB	Ninganchiao	1.28 11	Pb	Pn	18 28 46.9 -0.4
ETLH	Xiulin Townshi	1.30 6	EP	Pn	18 28 47.5 -0.2
ETLH	Xiulin Townshi	1.30 6	S	Pn	18 29 03.3 -0.8
WRL	Goulierin Hig	1.32 318	EP	Pb	18 28 49.4 -0.3
WRL	Goulierin Hig	1.32 318	S	Pb	18 28 49.5 -0.5
FUSS	Fushou	1.33 356	P	Pb	18 29 06.0 0.0
TW	Tachien	1.35 354	I/P	Pb	18 28 49.9 -0.2
TDCB	Techi	1.35 353	EP	Pb	18 28 49.9 -0.3
TDCB	Techi	1.35 353	S	Pb	18 29 06.1 +0.7
WCHI	Changhua City	1.36 328	EP	Sb	18 28 50.7 +0.4
WCHI	Changhua City	1.36 328	S	Sb	18 29 09.0 +1.5
WCHH	Zhanghua	1.37 329	EP	Sb	18 29 04.7 +0.5
WCHH	Zhanghua	1.37 329	S	Sb	18 29 08.4 +1.0
TCU	Taichung	1.37 334	EP	Sb	18 28 51.3 +0.8
TCU	Taichung	1.37 334	S	Sb	18 29 09.2 +1.6
WHP	Taichung City	1.41 345	EP	Sb	18 28 51.6 +0.4
WHP	Taichung City	1.41 345	S	Sb	18 29 10.5 +1.8
EAHA	Aohua	1.46 15	EP	Pb	18 29 07.7 +0.6
EAHA	Aohua	1.46 15	S	Pb	18 29 08.7 +0.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ENA Nanau, ENA Datong, NNSB Datong, etc.

SNET 13 18:36:25.0.7.11.86N-88.78W, h35km, 999km, ML3.4 GCG 13 18:36:26.5.0.7.13.04N-88.19W, h156km, 13km, MD4.1, Hypocentre not reviewed by the ISC

ISC 13 18:36:25.7.2.8.11.8N.0.1.88.8W.0.1, h35km, n22, 0.555/24, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like LCY Lacayo, RANC El Ranchito, TECA Tecapa, etc.

ISC 13 18:36:40.2.7.4.5.90S, 104.64E, h0km, mb3.5/3, mbmp3.5/4, ML3.5/1, MS3.6/2, Error ellipse: s-maj=198.1km s-min=58.6km az=1.0

DJA 13 18:36:44.1.0.5.6.5.3x10^5E, h10km, M3.7/10, MLv3.7/10

ISC 13 18:36:43.9.1.0.6.08S.0.07.1.05.08E.0.07, h10km, n18, 0.1519/20, mb3.2/3, Sunda Strait

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BLSI Bandar Lampung, CGJI Cibinong, SBJJ Serang, etc.

DJA 13 18:38:43.2.0.3.6.5.3x10^5E, h10km, M4.3/17, mb4.3/4, MLv4.3/17

ISC 13 18:38:46.0.5.7.54S.0.07.1.05.36E.0.06, h10km, n72, 0.1650/57, mb4.1/22, MS3.6/9, Sunda Strait

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CGJI Cibinong, TNG Tangerang, LWLI Liwa, etc.

NEIC 13 18:43:51.6.1.1.8.44.28N.0.06.105.45W.0.08, h0km, 1km, ML2.9/30, Error ellipse: s-maj=11.3km s-min=7.7km az=229.0

ISC 13 18:43:52.2.1.9.44.17N.105.44W, h0km, mbmp2.8/2, ML2.7/2, Error ellipse: s-maj=58.7km s-min=10.2km az=147.0

ISC 13 18:43:51.4.1.3.4.428N.0.06.105.28W.0.07, h0km, n25, 0.1502/24, Wyoming

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RSDS Black Hills, K22A Casper, K22A Casper, etc.

ISC 13 19:25:15.8.2.3.43.44N.105.20W, h0km, mbmp3.4/2, ML3.1/2, Error ellipse: s-maj=48.3km s-min=10.2km az=153.0

NEIC 13 19:25:15.6.0.9.43.68N.0.05.105.10W.0.10, h0km, 1km, ML3.0/30, Error ellipse: s-maj=11.8km s-min=8.4km az=90.0

ISC 13 19:25:15.8.1.2.43.65N.0.06.105.08W.0.06, h0km, n25, 0.1547/24, Wyoming

TAP 13 19:40:22.6, 24.80N, 122.35E, h12km, ML3.4, C
JMA 13 19:40:23.0, 25.25N, 122.4E, 0.5, h105km, 2km,
MV2.5/14, TAIWAN REGION
ISC 13 19:40:23.2, 1.4, 24.75N, 0.04, 122.38E, 0.03, h107km, 7km,
n124, c0977/203, 1D, Taiwan region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic events with station names like E0S2, TWB1, E0S3, etc.

Table with columns: YULB, Yuli, 1.68 216 P, Sn, 19 41 12.4 -1.6. Lists seismic events with station names like TW1F, WHYT, WJYS, etc.

NOU 13 19:43:08.3, 33.94S, 118.53E, h0km, MLv4. 1/13, Western Australia

AUST 13 19:43:09.0, 0.3, 34.7S, 118.52E, h10km, ML3.6/13, Error ellipse: s-maj=6.1km s-min=4.0km az=132.8

CUPWA 13 19:43:09.5, 1.8, 33.95S, 118.52E, h1km, 19km, ML3.6, Region: WESTERN AUSTRALIA

ISC 13 19:43:09.4, 2.0, 33.96S, 118.54E, 0.05, h17km, 15km, n47, c0975/57, Western Australia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic events with station names like GNOT, AUALB, AUKUL, etc.

ISC 13 20:05:59.7, 0.5, 12.72S, 14.69W, h0km, mb4.3/22, mbmp4.3/22, MS3.9/38, Error ellipse: s-maj=22.2km

INMG 13 20:06:00.0, 0.6, 13.75S, 13.45W, h10km, M4.5, mb4.9, #DIST. RANGE: DISTANT

NEIC 13 20:06:01.6, 2.6, 12.75S, 0.10, 14.4W, 0.1, h10km, 1km, mb4.9/38, Error ellipse: s-maj=18.4km s-min=15.5km

ISC 13 20:06:02.0, 0.4, 12.82S, 0.09, 14.51W, 0.08, h16km, n153, c1542/116, mb4.7/65, MS3.9/39, 3D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic events with station names like H10S2, H10S3, ASCN, etc.

Table with columns: BBTs, Babate, 27.37 356 LR, LR, 20 12 04.6. Lists seismic events with station names like TORO, TORO, TORO, etc.

CHIR	baz=239	Chirikof Islan	13.60	64	P	Pn	20 51 26.7	+0.7
K15K	baz=262	Wolf Creek Mou	13.62	34	P	Pn	20 51 27.2	+1.0
Q16K	baz=222	King Salmon	13.76	52	P	Pn	20 51 29.2	+1.1
M16K	baz=249	Timber Creek	13.80	41	P	Pn	20 51 29.6	+1.1
L16K	baz=237	Owhat River	13.99	38	P	Pn	20 51 32.3	+1.2
Q17K	baz=252	Contact Creek	14.01	54	P	Pn	20 51 32.1	+0.6
P17K	baz=248	Kvichak River	14.06	50	P	Pn	20 51 32.7	+0.8
ANM	baz=248	Nome	14.22	27	P	Pn	20 51 35.5	+0.8
ACHA	baz=212,SNR=5.5	Angle Creek He	14.28	55	P	Pn	20 51 40.2	+0.7
N17K	baz=248	Nushagak Hills	14.29	45	P	Pn	20 51 35.7	+0.8
SLI	baz=242	Sitkinan Islan	14.51	62	P	Pn	20 51 38.7	+0.9
R18K	baz=261	Karuk	14.56	58	P	Pn	20 51 38.9	+0.5
Q18K	baz=257	Katmai Hardscr	14.57	53	P	Pn	20 51 36.9	-1.8
J16K	baz=252	Anvik River	14.61	32	P	Pn	20 51 46.0	+2.9
J16K	baz=252	Anvik River	14.61	32	P	Pn	20 51 39.9	+0.8
M17K	baz=226	Holтна River	14.62	41	P	Pn	20 51 38.7	-0.5
M17K	baz=226	Holтна River	14.62	41	P	Pn	20 51 38.6	-0.7
TNA	baz=238	Tin City	14.63	16	P	Pn	20 51 40.3	+1.0
L17K	baz=205	Donlin	14.69	38	P	Pn	20 51 40.8	+0.7
P18K	baz=204	Big Mountain,	14.71	50	P	Pn	20 51 40.9	+0.5
F14K	baz=249	Arctic Creek	14.85	19	P	Pn	20 51 42.9	+0.8
O18K	baz=208	Koktuh Hills	14.89	49	P	Pn	20 51 43.1	+0.4
N18K	baz=247	Kilae Creek	14.93	45	P	Pn	20 51 42.7	-0.4
G15K	baz=243	Niukluk	14.95	23	P	Pn	20 51 43.4	+0.1
PEA0B	baz=214,SNR=10	Petropavlovsk-	15.04	285	Pn	Pn	20 51 44.3	-0.3
PETK	baz=243	Petropavlovsk-	15.04	285	P	P	20 51 48.7	+0.8
PETK	3.8nm,0.7s,ba	z=101,slow=16,SNR=4.7						
PETK	comp=Z,89nm,19.4s,ba	z=87,slow=34						
K17K	baz=232	Iditarod	15.04	36	P	LR	20 56 45.3	
OHAK	baz=259	Old Harbor	15.11	60	P	Pn	20 51 45.3	-0.1
H16K	baz=219,SNR=6.1	Elim	15.12	26	P	Pn	20 51 45.8	+0.2
J17K	baz=253	VAM Dome	15.20	33	P	Pn	20 51 46.4	-0.2
Q19K	baz=253	Cape Douglas,	15.33	53	P	Pn	20 51 48.2	-0.1
M18K	baz=253	Stony River	15.34	42	P	Pn	20 51 48.8	+0.5
L18K	baz=241	Granite Mounta	15.36	39	P	Pn	20 51 53.4	+2.0
L18K	baz=241	Granite Mounta	15.36	39	P	Pn	20 51 48.7	0.0
F15K	baz=237	North Star Dit	15.40	21	P	Pn	20 51 50.3	+1.1
O19K	baz=248	Port Alsworth	15.44	48	P	Pn	20 51 50.0	+0.5
KDAK	baz=248	Kodiak Island	15.59	58	Pn	Pn	20 51 50.0	-1.5
KDAK	baz=248	Kodiak Island	15.59	58	P	P	20 51 49.9	-1.5
KDAK	15.2nm,0.9s,ba	z=318,slow=2.2,SNR=23						
KDAK	1.2nm,0.9s,ba	z=242,slow=3.6,SNR=2.1						
KDAK	baz=258	Kodiak Island	15.59	58	P	Pn	20 51 51.8	+0.3
N19K	baz=245	Donanza Creek	15.61	46	P	Pn	20 51 51.7	-0.1
G16K	baz=245	Koyuk River	15.69	24	P	P	20 51 57.1	+2.2
G16K	comp=Z,26nm,1.2s				Iamb	Iamb	20 52 20.7	
P16K	baz=217	Koyuk River	15.69	24	P	Pn	20 51 52.6	-0.1
G19K	baz=251	Oil Pt	15.76	51	P	Pn	20 51 53.6	0.0
Q20K	baz=256	Shuyak Island	15.87	55	P	Pn	20 51 54.8	-0.2
H17K	baz=223	Granite Mounta	16.00	28	P	Pn	20 51 56.5	-0.1
TTA	baz=236	Tatalina	16.02	38	P	Pn	20 52 00.8	+2.1
TTA	baz=236	Tatalina	16.02	38	P	Pn	20 51 56.9	-0.1
J18K	baz=223	Innoko River	16.07	35	P	Pn	20 52 01.7	+2.5
J18K	baz=223	Innoko River	16.07	35	P	Pn	20 51 57.9	+0.4
L19K	baz=233	White Mountain	16.08	41	P	P	20 52 02.4	+3.1
L19K	comp=Z,26nm,0.8s				Iamb	Iamb	20 52 04.7	
L19K	baz=240	White Mountain	16.08	41	P	Pn	20 51 57.8	+0.2
O20K	baz=250	Slope Mountain	16.19	50	P	Pn	20 51 59.7	+0.7
G17K	baz=221	Kiwalik Mounta	16.22	26	P	Pn	20 52 00.2	+0.9
HOM	baz=253	Homer	16.52	52	P	Pn	20 52 02.7	-0.5
H18K	baz=253	Honhosa River	16.62	29	P	P	20 52 08.7	+3.4
H18K	comp=Z,20nm,1.1s				Iamb	Iamb	20 52 30.6	
L18K	baz=226	Honhosa River	16.62	29	P	Pn	20 52 03.9	-0.4
L20K	baz=241	Farewell, AK	16.62	41	P	Pn	20 52 04.4	+0.1
M20K	baz=241	Styx River	16.66	43	P	P	20 52 08.9	+3.1
M20K	comp=Z,23nm,1.3s				Iamb	Iamb	20 52 32.5	
M20K	baz=244	Styx River	16.66	43	P	Pn	20 52 05.0	+0.1
J19K	baz=234	Poorman	16.77	35	P	Pn	20 52 06.1	-0.1
SPCR	baz=248	Spurr Chakacha	16.78	46	P	Pn	20 52 06.5	+0.1
GCSA	baz=230	Galena City Sc	16.81	32	P	Pn	20 52 06.4	-0.3
BRSE	baz=254	Bradley Lake S	16.99	52	P	Pn	20 52 08.8	-0.1
K20K	baz=238	Telida	16.99	38	P	Pn	20 52 08.2	-0.7
STLK	baz=224	Strandline Lak	17.06	45	P	Pn	20 52 10.3	+0.5
G18K	baz=224	Tagagawik	17.07	27	P	Pn	20 52 09.4	-0.4
CAPN	baz=249	Captain Cook N	17.10	48	P	Pn	20 52 09.8	-0.5
E17K	baz=215,SNR=7.6	Hotham Inlet	17.18	21	P	Pn	20 52 11.1	-0.1
SKT	comp=Z,18nm,1.0s	Skwentna	17.39	44	P	Iamb	20 52 14.9	+1.2
SKT	baz=246	Skwentna	17.39	44	P	Pn	20 52 14.7	+0.9
J20K	baz=236	Novinta River	17.41	36	P	Pn	20 52 15.0	+1.0
D17K	baz=211,SNR=11	Noatak River	17.43	19	P	Pn	20 52 15.5	+1.3
SLKM	baz=249	Skilak Lake	17.46	50	P	Iamb	20 52 16.1	+1.5
SLKM	comp=Z,20nm,1.0s				Iamb	Iamb	20 52 18.1	
H19K	baz=228	Roundabout Mou	17.47	30	P	P	20 52 15.7	+1.1
PPLA	baz=242	Purkeypile	17.51	41	P	P	20 52 16.5	+1.3
C16K	baz=206	Lisburne Hills	17.53	15	P	P	20 52 16.1	+0.9
C16K	baz=206	Lisburne Hills	17.53	15	P	P	20 52 16.6	+1.4
SUA	baz=249	Susitna One	17.53	46	P	P	20 52 16.3	+0.8
I20K	baz=234	Naaghedeneel	17.65	34	P	P	20 52 18.0	+1.4
O22K	baz=242	Cooper Landing	17.68	50	P	Pn	20 52 18.5	+1.2
G19K	baz=226,SNR=6.5	Purcell Mounta	17.69	28	P	Pn	20 52 18.7	+1.3
SEW	baz=255	Seward	17.71	51	P	Pn	20 52 18.8	+1.1
E18K	baz=217	Tukpahlearik C	17.74	22	P	Pn	20 52 19.1	+1.6
RDOG	baz=249	Red Dog Mine	17.77	18	P	P	20 52 19.3	+1.3
CAST	baz=211	Castle Rocks	17.80	39	P	P	20 52 19.1	+0.8
RC01	baz=241,SNR=7.5	Rabbit Creek A	17.86	48	P	P	20 52 20.2	+1.1
M22K	baz=249	Willow	17.92	46	P	Pn	20 52 21.1	+1.0
CHUM	baz=249	Lake Minchum	17.94	38	P	P	20 52 21.2	+1.5
H20K	baz=231	Anotleneega Mo	17.94	32	P	P	20 52 21.3	+1.5
F19K	baz=223	Shalerucik Mo	18.00	26	P	Pn	20 52 22.3	+1.3
C17K	baz=210	Delong Mountai	18.09	17	P	P	20 52 22.8	+1.4
PMR	baz=251	Palmer	18.30	47	P	P	20 52 24.5	+0.7
KTH	baz=241	Kanishka Hill	18.32	40	Pn	Pn	20 52 26.6	+1.5
PWL	baz=254	Port Wells	18.45	49	P	P	20 52 26.0	+0.6
GHO	baz=240	Glory Hole Cre	18.46	46	P	P	20 52 24.7	-0.9
GHO	comp=Z,20nm,1.2s				Iamb	Iamb	20 52 57.6	
TRF	baz=244,SNR=6.7	Thorofore Moun	18.53	41	P	P	20 52 27.0	+0.5
BPAW	baz=242	Bear Paw Mtn.	18.55	38	P	P	20 52 27.8	+1.3
KNK	baz=252	Knk Glacier	18.55	48	P	P	20 52 27.9	+1.3
E19K	baz=252	Redstone River	18.60	25	P	P	20 52 27.5	+0.5
E19K	comp=Z,17nm,0.8s				Iamb	Iamb	20 52 35.0	
E19K	baz=223,SNR=20	Redstone River	18.60	25	P	P	20 52 28.4	+1.4
C18K	baz=213	Utukok River	18.62	19	P	P	20 52 29.3	+2.0
C18K	comp=Z,16nm,0.8s				Iamb	Iamb	20 52 32.2	
C18K	baz=213	Utukok River	18.62	19	P	P	20 52 29.0	+1.7
P23K	baz=258	Montague Islan	18.68	52	P	P	20 52 29.7	+1.7
F20K	baz=226	Avaraat Lake	18.72	27	P	P	20 52 29.8	+1.5
H21K	baz=234	Melozitna Rive	18.73	33	P	P	20 52 30.0	+1.5
SML	baz=234	Sawmill	18.73	46	P	P	20 52 29.1	+0.5
SML	comp=Z,33nm,1.5s				Iamb	Iamb	20 52 53.7	
SML	baz=251	Sawmill	18.73	46	P	P	20 52 29.8	+1.2
I21K	baz=211	Tanana	18.74	35	Pn	Pn	20 52 32.5	+2.5
I21K	comp=Z,18nm,0.8s				Iamb	Iamb	20 52 32.8	
I21K	baz=257	Tanana	18.74	35	P	P	20 52 30.5	+1.9
M23K	baz=252	Glacier View	19.00	47	P	P	20 52 33.2	+1.7
G21K	baz=252	Allakaket	19.02	30	P	P	20 52 31.9	+0.3
G21K	baz=252	Allakaket	19.02	30	P	P	20 52 33.2	+1.6
RND	baz=245	Reindeer	19.09	42	P	P	20 52 33.0	+0.4
Q23K	baz=260	Middleton Isla	19.10	54	P	P	20 52 33.7	+1.3
B18K	baz=260	Kokolik River	19.11	17	P	P	20 52 33.5	+1.0
D19K	baz=219	Kuna River	19.16	22	P	P	20 52 34.8	+1.6
MCK	baz=245	McKinley	19.20	41	P	P	20 52 34.6	+1.0
MCK	baz=245	McKinley	19.20	41	P	P	20 52 34.0	+0.4
SCM	baz=245	Sheep Creek Mo	19.20	47	P	P	20 52 33.3	-0.4
SCM	baz=252	Sheep Creek Mo	19.20	47	P	P	20 52 33.9	+0.2
MA2	baz=252	Magadan	19.23	306	LR	LR	20 59 30.6	
H22K	comp=Z,10nm,18.3s,ba	z=108,slow=35						
H22K	baz=236	Ishlatina Cre	19.35	33	P	P	20 52 36.8	+1.5
SEY	baz=231	Seymchan	19.38	317	P	P	20 52 36.2	+0.7
SEY	comp=Z,9.6nm,0.9s,ba	z=114,slow=11,SNR=37			PcP	PcP	20 56 53.1	-0.3
SEY	comp=Z,0.3nm,0.4s,ba	z=175,slow=11,SNR=5.4			ScP	ScP	21 00 19.6	-1.6
E20K	comp=Z,0.4nm,0.3s,ba	z=100,slow=9.9,SNR=5.2			P	P	20 52 37.8	+1.4
F21K	baz=223	Alatna River	19.46	24	P	P	20 52 37.8	+1.4
F21K	baz=230	Alatna River	19.48	29	P	P	20 52 36.8	+0.1
F21K	comp=Z,18nm,0.7s				Iamb	Iamb	20 52 41.2	
F21K	baz=230	Alatna River	19.48	29	P	P	20 52 37.7	+1.0
NEA2	baz=243	Nenana	19.52	38	P	P	20 52 38.0	+0.9
EYAK	baz=258	Cordova Ski Ar	19.61	51	P	P	20 52 39.6	+1.6
I23K	baz=250	Minto, Yukon-K	19.68	37	P	P	20 52 40.4	+1.6
I23K	comp=Z,11nm,0.8s				Iamb	Iamb	20 52 46.0	

Table with columns: EVGI, comp=N, Lefkada island, Fiskardo, FSK, TETR, LFKM, SMHA, SMHA, JAN, JAN, JAN, JAN, JAN, DMLN, DMLN, VLS, VLS, VLS, PSDA, PSDA, PSDA, RTZL, RTZL, EVR, EVR, KEK, KEK, KEK, ANX, ANX, ANX, RLS, RLS, RLS, ORTH, ORTH, EFP, EFP, KYPS, KYPS, KYPS, MAKR, MAKR, DRO, DRO, KLV, KLV, KLV, KZN, KZN, KZN, GUR, GUR, LKR, LKR, LKR, FNA, FNA, ITM, OHR, OHR, OHR, VAY, VAY, SRS, SRS, IBARS, IBARS, SELS, SELS, SJES, SJES, ZAPS, ZAPS, GRUS, GRUS, BLS, BLS, DIVS, DIVS, ESDC, HFS, HFS, FINES, FINES, NOA, NOA, TORD, TORD, KURBS, KURBS, MKAR, MKAR, ZALV, ZALV

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, Sea, c=130/141, mb4.6/62, MS3.8/18, 1D, Northern Molucca

Table with columns: HTT, JGF, JGF, KRSR, KRSR, XAN, XAN, XAN, MJAR, MJAR, MJAR, LZH, LZH, LZH, SHL, SHL, HHC, HHC, HHC, USRK, USRK, XLT, XLT, XLT, XLT, LSA, LSA, BNX, BNX, GTA, GTA, ASAJ, ASAJ, PALK, PALK, KLR, KLR, HEH, HEH, HEH, ULN, ULN, ULN, WMQ, WMQ, WMQ, PETK, PETK, MK31, MK31, MKAR, MKAR, MAKZ, MAKZ, MAKZ, MAZ, MAZ, AAK, AAK, ZAAO, ZAAO, ZALV, ZALV, GAR, GAR, GAR, KURBB, KURBB, KURK, KURK, BVAR, BVAR, BRVK, BRVK, BRVK, BRVK, BRVK, BRVK, TIXI, TIXI, NRIK, NRIK, NRIK, NRIK, ABKAR, ABKAR, ABKAR, ARTI, ARTI, ARTI, RAYN, RAYN, BELG, BELG, L18K, L18K, G19K, G19K, N19K, N19K, E19K, E19K, SIRT, SIRT, KBZ, KBZ, B20K, B20K, GURO, GURO, GURO, E23K, E23K, ILAR, ILAR, ILAR, KMBO, KMBO, GSPA, GSPA, EIL, EIL, EIL, BRTR, BRTR, BRTR, L29M, L29M, ARCES, ARCES, SPITS, SPITS, SPITS, AKASG, AKASG, AKASG, FARO, FARO, FARO, FINES, FINES

BUJ 13:21:19.26: 1.0, 35S; 126.76E, h40km, mb5.0/14, mb4.5/35, Ms4.4/3, Ms7.4/23
DJA 13:21:19.36: 0.0, 2.1, N+2 x 12 6E+, h51km, 3km, M4.4/29, mb4.7/29, mb5.0/10, MLV4.5/25, Mw(mB)4.3/10, MwMwp4.5/3, MwMwp4.9/3
NEIC 13:21:19.36: 2.2, 0.0, 60N; 0.08x126.44E: 0.05, h41km, 8km, mb4.8/41, Error ellipse: s-maj=11.3km s-min=7.3km az=173.0
IDC 13:21:19.37: 9.2, 7.0, 47N; 126.14E, h69km, 25km, mb4.1/23, mbmp4.4/27, MS3.8/19, Error ellipse: s-maj=19.1km s-min=11.3km az=79.0
ISC 13:21:19.36: 0.0, 0.3, 0.55N; 0.04x126.34E: 0.04, h47km, n150,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HBST Basata, HAQS Haql, HACS Jabal al Moall, etc.

SGS 13 22:47:32.9, 29.23N, 34.82E, h24km, M11.5
HLW 13 22:47:32.3, 29.20N, 34.94E, h21km, 1km, M2.6, M12.5
ISC 13 22:47:32.4-3.0, 29.22N, 0.1x34.86E, 0.06, h29km, 1.4km, n10, c0541/12, Egypt

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SGSI Sangihe, TNTI Ternate, LUWI Luwuk, etc.

IDC 13 22:57:37.6, 0.6, 2.42N, 126.69E, h0km, mb4, 0/16, mbtmp4, 0/16, MS3.6/2, Error ellipse: s-maj=39.2km
s-min=12.7km az=73.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like COEN Coen, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

NEIC 13 22:57:41.9, 5.1, 9.277N, 0.10, 126.9E, 0.1, h35km, 2km, mb4.5/19, Error ellipse: s-maj=21.0km s-min=12.5km
DJA 13 22:57:43.6, 1.0, 3.3N, 3x12.7E, h21km, 10km, M4.2/12, mb5.3/1, mb4.6/7, MLV4.0/12, Mw(mb)4.7/1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, ASAR ASAR, etc.

ISC 13 22:57:44.2, 0.5, 2.59N, 0.06, 126.86E, 0.08, h53km, n47, c148/48, mb4.2/24, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CTAO Charters Towers, JUNU Nakatsuki, CMAR Chiang Mai Arr, etc.

ISC 13 23:04:28.8, 1.3, 1.95N, 125.77E, h0km, mb3.6/5, mbtmp3.6/6, ML3.7/1, Error ellipse: s-maj=111.4km
s-min=19.0km az=70.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SGSI Sangihe, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SOMN Songino Array, etc.

IDC 13 23:09:27.4, 1.1, 2.55S, 23.76W, h0km, mb3.5/4, mbtmp3.5/4, MS3.4/1, Error ellipse: s-maj=60.5km
s-min=28.6km az=138.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H10N3 ASCENSION HYDR1, H10N1 ASCENSION HYDR1, etc.

ISC 13 23:09:28.5, 1.0, 1.45S, 0.3, 23.7W, 0.3, h10km, n13, c0562/7, mb3.5/4, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MDT Midlett, ESDC Soudac Array, LPAZ La Paz, etc.

IDC 13 23:57:44.8, 1.4, 2.26N, 126.77E, h0km, mb3.5/6, mbtmp3.6/6, MS3.8/1, Error ellipse: s-maj=110.8km
s-min=18.7km az=71.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, PALK Palkeleke, etc.

DJA 13 23:57:48.6, 0.3, 2.2N, 5x12.7E, h10km, M3.7/6, mb3.8/1, MLV3.6/6
ISC 13 23:57:51.3, 1.2, 2.22N, 0.2, 126.8E, 0.4, h50km, n9, c1953/8, mb3.6/5, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

IDC 13 23:46:50.8, 0.8, 3.4, 12N, 87.33E, h0km, mb3.6/10, mbtmp3.6/15, ML3.3/3, MS3.5/2, Error ellipse: s-maj=73.5km
s-min=24.2km az=70.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

IDC 13 23:46:58.1, 0.8, 3.42N, 0.1, 87.4E, 0.1, h35km, n15, c0561/15, mb3.5/10, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SRDR Sredinny, ESO Esso, SPN MYS Shipunski, etc.

IDC 13 23:57:51.3, 1.2, 2.22N, 0.2, 126.8E, 0.4, h50km, n9, c1953/8, mb3.6/5, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11N2 WAKE ISLAND HY, H11N3 WAKE ISLAND HY, etc.

IDC 13 23:57:44.8, 1.4, 2.26N, 126.77E, h0km, mb3.5/6, mbtmp3.6/6, MS3.8/1, Error ellipse: s-maj=110.8km
s-min=18.7km az=71.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, PALK Palkeleke, etc.

IDC 13 23:46:50.8, 0.8, 3.4, 12N, 87.33E, h0km, mb3.6/10, mbtmp3.6/15, ML3.3/3, MS3.5/2, Error ellipse: s-maj=73.5km
s-min=24.2km az=70.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

IDC 13 23:46:58.1, 0.8, 3.42N, 0.1, 87.4E, 0.1, h35km, n15, c0561/15, mb3.5/10, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

IDC 13 23:46:58.1, 0.8, 3.42N, 0.1, 87.4E, 0.1, h35km, n15, c0561/15, mb3.5/10, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

IDC 13 23:46:58.1, 0.8, 3.42N, 0.1, 87.4E, 0.1, h35km, n15, c0561/15, mb3.5/10, Xizang

Code	Station Name	Δ°	AZ°	Phase	ID	Op	h	m	s	Res
MDOK				Lg	Lg		00	14	22.8	
MDOK	Medeo	2.7m,0.6s								
		1.81	83	eP	Pb		00	13	58.9	+1.2
MDOK		2.9m,0.5s								
				eS	Sg		00	14	22.9	-0.6
KK31	Karatay Array	2.4m,0.2s					00	14	17.8	+0.1
		0.1m,0.2s								
KK31		0.2m,0.2s,baz=113,slow=30,SNR=5.0					00	14	55.9	

BJI 14 00:41:18.9,69°37'N:145°15'W,h22km,mB5.1/15, mb4.6/43,Ms4.9/20,Ms7.4/5/21
AEIC 14 00:41:19.3,1.7,69°62'N,0°03:145°03'W,0°06,h6km,2km, ML4.9,mb4.8/246(NEIC),ML4.9/104(NEIC), Mw4.5/37(NEIC), Error ellipse: s-maj=5.0km s-min=2.8km az=188.0
NEIC 14 00:41:19.2,69°62'N:145°00'W,h9km IDC 14 00:41:19.5,0.4,69°74'N:144°82'W,h0km,mb4.6/33, mbmp4.6/37,ML4.8/4,MS4.0/55, Error ellipse: s-maj=12.4km s-min=9.0km az=41.0
NEIC 14 00:41:20.2,1.8,69°66'N:0°04:144°99'W,0°10,h10km,1km, Error ellipse: s-maj=7.7km s-min=5.0km az=24.0, Moment Tensor Solution. Moment tensor: Scale 10¹⁵N; M₁₁=-0.61; M₂₂=0.93; M₃₃=1.53; M₁₂=-1.65; M₁₃=-7.39; M₂₁=-1.34; Fault plane solution: M₁₁7.800000×10¹⁵ Np₁; q₉₅92000°; δ78.70000°; λ-167.98000°; NP2₉₅3.53000°, δ78.21000°; λ-11.54000°. Principal axes: T 7.7945, P1g0.0000°, Azm230.0000°, N 0.0198, P1g74.0000°, Azm139.0000°, P -7.9144, P1g16.0000°, Azm320.0000°, ANF 14 00:41:20.1,0.4,69°66'N:145°07'W,h8km,4km,ML5.2/62, ML5.2/61 Error ellipse: s-maj=2.9km s-min=1.6km az=11.0
ISC 14 00:41:18.8:1.1,69°65'N,0°03:145°01'W,0°02,h0km,7km, n884,σ093/852,mb4.8/193,MS4.0/57,27C-16D,Northern Alaska

Code	Station Name	Δ°	AZ°	Phase	ID	Op	h	m	s	Res
C26K	Camden Bay	0.27	7	P	Pb		00	41	25.8	+0.7
C26K	Camden Bay	0.27	7	I	Sb		00	41	31.1	-0.6
C26K	Camden Bay						00	41	31.6	
C26K	Camden Bay						00	41	35.1	
C26K	Camden Bay	0.27	7	P	Pg		00	41	25.4	+1.5
C26K	Camden Bay						00	41	31.2	-0.5
C27K	Jago River	0.45	92	P	Sg		00	41	28.0	+0.6
C27K	Jago River						00	41	34.8	+1.5
C27K	Jago River	0.45	92	P	Pg		00	41	28.0	+0.6
C27K	Jago River						00	41	34.1	+0.8
D25K	Kavik River	0.58	236	P	Pg		00	41	28.6	-1.4
D25K	Kavik River	0.58	236	P	Pg		00	41	36.7	-0.8
D25K	Kavik River	0.58	236	P	Pg		00	41	28.7	-1.2
D25K	Kavik River						00	41	36.9	-0.6
C24K	Franklin Bluff	1.29	275	I	Sg		00	41	42.7	-1.3
C24K	Franklin Bluff						00	42	03.9	
C24K	Franklin Bluff						00	42	05.0	
C24K	Franklin Bluff	1.29	275	P	Sn		00	42	01.4	-0.6
C24K	Franklin Bluff	1.29	275	P	Pn		00	41	43.3	-0.8
C24K	Franklin Bluff						00	42	01.1	-0.9
D24K	Happy Valley	1.44	252	Pn	Pn		00	41	45.6	-0.5
D24K	Happy Valley						00	42	09.7	
D24K	Happy Valley	1.44	252	P	Sg		00	42	06.2	+1.3
D24K	Happy Valley	1.44	252	P	Pn		00	41	45.6	-0.5
D24K	Happy Valley						00	42	06.2	+1.3
D27M	Malcolm River	1.48	104	Pn	Pn		00	41	45.2	-1.5
D27M	Malcolm River	1.48	104	Pn	Pn		00	41	45.9	-0.9
D27M	Malcolm River						00	42	07.3	+1.0
E25K	Arctic Village	1.55	188	Pn	Sn		00	41	48.0	+0.3
E25K	Arctic Village						00	42	07.3	-1.1
E25K	Arctic Village						00	42	10.5	
E25K	Arctic Village	1.55	188	P	Pn		00	41	46.8	-0.8
E25K	Arctic Village						00	42	07.1	-1.3
E27K	Coleen River	1.92	138	Pn	Pn		00	41	52.8	+0.1
E27K	Coleen River						00	42	23.6	
E27K	Coleen River	1.92	138	Pn	Sn		00	42	17.8	+0.3
E27K	Coleen River	1.92	138	P	Pn		00	41	52.8	+0.1
E27K	Coleen River						00	42	17.3	-0.3
TOLK	Toolik Lake Re	1.92	240	Pn	Pn		00	41	51.8	-0.9
TOLK	Toolik Lake Re						00	42	24.0	
TOLK	Toolik Lake Re						00	42	34.2	
TOLK	Toolik Lake Re	1.92	240	P	Sn		00	41	52.3	-0.5
TOLK	Toolik Lake Re						00	42	17.5	-0.2
TOLK	Toolik Lake Re						00	42	17.5	-0.2
C23K	Ikilik River	1.96	278	Pn	IAML		00	41	52.5	-0.7
C23K	Ikilik River						00	42	24.9	
C23K	Ikilik River	1.96	278	P	Pn		00	41	52.9	-0.4
C23K	Ikilik River						00	42	22.3	+0.6
F26K	Sheenjek River	1.99	171	Pn	Sn		00	41	53.9	+0.2
F26K	Sheenjek River						00	42	18.3	-1.0
F26K	Sheenjek River						00	42	22.4	
F26K	Sheenjek River	1.99	171	P	Pn		00	41	54.4	+0.3
F26K	Sheenjek River						00	42	19.4	+0.1
E24K	Your Creek	2.02	220	Pn	IAML		00	41	53.8	-0.4
E24K	Your Creek						00	42	27.9	
E24K	Your Creek	2.02	220	P	Pn		00	41	54.2	+0.1
E24K	Your Creek						00	42	20.5	+0.3
F25K	Christian River	2.08	187	Pn	IAML		00	41	54.7	-0.2
F25K	Christian River						00	42	29.2	
F25K	Christian River	2.08	187	P	Pn		00	41	55.1	+0.2
F25K	Christian River						00	42	23.7	-0.1
D23K	Nanushuk River	2.13	254	Pn	IAML		00	41	55.3	-0.3
D23K	Nanushuk River						00	42	39.9	
D23K	Nanushuk River						00	42	42.2	
D23K	Nanushuk River	2.13	254	P	Pn		00	41	55.5	-0.1
D23K	Nanushuk River						00	42	22.3	-0.3
E28M	Babbage River	2.22	116	Pn	Pn		00	41	57.6	+0.7
E28M	Babbage River						00	41	57.6	+0.7
E28M	Babbage River						00	42	28.9	+1.1
D28M	Stokes Point	2.23	95	Pn	Pn		00	41	57.7	+0.7
D28M	Stokes Point	2.23	95	P	Pn		00	41	57.7	+0.7
D28M	Stokes Point						00	42	30.0	0.0
BMAR	Burnt Mountain	2.24	176	Pn	Pn		00	41	57.0	-0.1
E23K	Chandalar	2.31	228	Pn	Pn		00	41	57.4	-0.8
E23K	Chandalar	2.31	228	P	Pn		00	41	58.0	-0.2

E23K	baz=44			Sb	Sb		00	42	31.8	+1.3
F24K	Squaw Lake	2.39	208	Pn	Pn		00	41	58.5	-0.7
F24K	Squaw Lake	2.39	208	Pn	Pn		00	41	59.0	-0.2
G26K	Porcupine River	2.75	170	P	Pn		00	42	03.7	-0.3
G26K	Porcupine River	2.75	170	P	Pn		00	42	03.8	-0.3
F28M	Old Crow	2.78	135	Pn	Pn		00	42	04.3	-0.2
F28M	Old Crow						00	42	04.4	-4.8
F28M	Old Crow						00	42	50.8	
F28M	Old Crow	comp=E,4um,0.8s					00	42	51.3	
F28M	Old Crow	2.78	135	P	Pn		00	42	04.5	+0.1
E29M	Blow River	2.85	113	Pn	Pn		00	42	05.7	+0.2
B22K	Teshekpuk Lake	2.98	287	Pn	Pn		00	42	06.4	-0.7
B22K	Teshekpuk Lake	2.98	287	Pn	Pn		00	42	06.8	-0.4
COLD	Coldfoot	3.10	221	P	Pn		00	42	08.2	-0.7
COLD	Coldfoot	3.10	221	P	Pn		00	42	08.7	-0.2
FYU	Fort Yukon	3.10	182	Pn	IAML		00	42	09.2	+0.3
FYU	Fort Yukon						00	43	06.3	
G24K	Hadweencik River	3.10	198	Pn	Pn		00	42	08.1	-0.8
G24K	Hadweencik River	3.10	198	Pn	Pn		00	42	08.5	-0.5
G27K	Doyon Strip	3.12	155	Pn	IAML		00	42	08.8	-0.3
G27K	Doyon Strip						00	43	02.2	
G27K	Doyon Strip	3.12	155	P	Pn		00	42	08.7	-0.5
C21K	Knifeflade Rid	3.49	266	P	Pn		00	42	14.0	-0.3
C21K	Knifeflade Rid	3.49	266	P	Pn		00	42	13.9	-0.3
G23K	Banana Creek	3.50	215	Pn	IAML		00	42	13.5	-0.9
G23K	Banana Creek						00	43	11.6	
G23K	Banana Creek	3.50	215	P	Pn		00	42	14.0	-0.4
A22K	Sinclair Lake	3.63	297	P	Pn		00	42	15.9	-0.2
A22K	Sinclair Lake	3.63	297	P	Pn		00	42	16.0	-0.2
G22K	Bettles	3.65	224	P	Pn		00	42	15.8	-0.6
G22K	Bettles	3.65	224	P	Pn		00	42	15.8	-0.6
H27K	Steamboat Moun	3.68	157	P	Pn		00	42	16.7	-0.2
H27K	Steamboat Moun	3.68	157	P	Pn		00	42	16.8	-0.1
G29M	Pine Creek	3.78	133	IAML			00	42	16.8	+0.4
G29M	Pine Creek	3.78	133	IAML			00	43	06.4	
G29M	Pine Creek	3.78	133	P	Pn		00	42	18.7	+0.4
F30M	Barrier River	3.95	117	Pn	Pn		00	42	21.4	+1.2
F30M	Barrier River	3.95	117	Pn	Pn		00	42	21.7	

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries like L29M L29M, G17K Kiwajik Mouna, H27K Telida, etc.

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries like SEW Seward, PINM Pinnet Lake, L16K Owhat River, etc.

Table with columns for call sign, name, frequency, power, mode, and other parameters. Includes entries like NIKH Nikolski High, FFC FFC, NLWA Neilton Lookou, etc.

14d 1h

s-min=3.6km az=154.0

ISC 14 01:06:57.9.1.2.61.35N.0.03:150.06W.0.03,h44km,gkm,
n166,c060/178, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC. Lists various stations like FIS, RC01, M22K, PMR, GHO, KNK, CAPN, SLKM, STLK, O22K, SML, SML, SML, SKT, SPCG, PWL, SPU, CUT, SML, SPBG, M23K, SEW, RDT, DFR, RDJH, M20K, NCT, RDWB, BRBK, BRLK, BRLK, BRLE, BRSE, O20K, O20K, FID, FID, PPLA, PPLA, HOM, P23K, CNPM, CNPM, IVE, KLU, M24K, M24K, M24K, ILS, ILSW, DIV, TRF, L20K, L20K, RND, RND, N19K, N19K, KTH, KTH, EYAK, EYAK, CAST, CAST, P19K, P19K, O19K.

2019 JAN

Table with columns: O19K, IAML, Time, Res, ISC. Lists various stations like O19K, L19K, L19K, L19K, MCK, MCK, HARP, HARP, N25K, N25K, N25K, N25K, BMRM, BMRM, GOAT, GOAT, M18K, M18K, BPAW, WACK, RAGM, N18K, N18K, O18K, O18K, Q20K, SYI, SYI, GLB, GLB, GLB, Q19K, Q19K, VRDI, VRDI, TTA, TTA, P18K, BERG, L18K, L18K, L18K, L18K, J20K, J20K, J20K, CCB, M26K, M26K, M17K, M17K, M17K, M17K, COLA, J19K, J19K, IL31, SNH, SNH, J18K, J18K, J18K, KIAG, KDAK, KDAK, KDAK, I23K, I23K, SCRK, SCRK, P17K, P17K, J25K, J25K, J25K, I21K, I21K, L17K, L17K, M27K, M27K, K17K, K17K, ANCK, BCAP, M16K, M16K, M16K, O16K, O16K.

Table with columns: L16K, Pn, Pn, Time, Res, ISC. Lists various stations like L16K, L16K, P16K, P16K, J17K, J17K, J17K, I26K, I26K, N15K, N15K, J16K, J16K, H18K, G24K, K15K, M29M, DAWY, O29M, G19K, M14K, L29M, L29M, O14K, HYT, F20K, N30M, N30M, F25K, G27K, F26K, P32M, G31M, Q32M.

ISC 14 01:09:27.9.1.1.3:35N:127:56E,h0km,mb3.6/7,
mbtmp3.6/7, Error ellipse: s-maj=65.8km s-min=19.6km
az=73.0
DJA 14 01:09:29.1.0.8.4'N:5.12'E, h10km, M3.9/7, mb3.9/7,
MLV3.9/7

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC. Lists various stations like WRA, WRA, ASAR, ASAR, MJAR, MJAR, SONM, SONM, MKAR, MKAR, KURBB, KURBB, BVAR, BVAR.

ISC 14 01:09:33.8.1.2.3:30N:127:67E,0.4,h45km,n7,c1905/7,
mb3.8/7, Taurad Islands
WRA Warramunga Array 24.05 164 P P 01 14 44.2 +0.9
ASAR Alice Springs 27.52 167 P P 01 15 17.1 +0.7
MJAR Matushiro Arr 34.49 15 P P 01 16 18.1 +0.4
SONM Songoing Array 47.95 341 P P 01 18 06.9 -1.3
MKAR Makanchi Array 58.36 325 P P 01 19 25.5 +0.9
KURBB Kurchatov Arr 62.53 327 P P 01 19 53.1 +0.2
BVAR Borovoye Array 68.11 327 P P 01 20 29.8 +0.7

ISC 14 01:27:11.8.1.1.29:07N:58:25E,h0km,mb3.6/9,
mbtmp3.7/10,ML4.0/1, Error ellipse: s-maj=26.9km
s-min=19.6km az=106.0
TEH 14 01:27:13.2.29:08N:58:27E,h15km,2gkm
NEIC 14 01:27:14.7.29:15N:0:09:58:22E:0.08,h10km,1km,
mb4.0/7, Error ellipse: s-maj=15.6km s-min=10.5km
az=152.0

ISC 14 01:27:14.2.1.6.29:21N:58:45E,h10km,ML3.5/9, Error
ellipse: s-maj=60.1km s-min=15.8km az=117.0
OMAN 14 01:27:17.0.0.8.28:86N:58:82E,h13km,29km,mb4.3/11,
ml4.0/9, Error ellipse: s-maj=53.6km s-min=6.2km az=22.0
ISC 14 01:27:14.2.0.6.29:12N:0:04:58:52E:0.05,h15km,n83,
c1933/105,mb3.7/13, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Op, Time, Res, ISC. Lists various stations like KBAM, CHMN, CHMN, KHNJ, NGRK, IZMI, TVBK, KHGB, ZRDN, NHDN, GENO, JASK, JASK, JASK, IKOO, IBAF, SHME, SHME, SHME, BANOM, ITEG, SRVN, CHBR, TPRV, MASF, MASF, MASF, AFZR, NGCH, TKOS, UOSS, UOSS, UOSS, HATD, HATD, HATD, NAZ, NAZ, NAZ, ASHO, ASHO, ASHO, FAO, FAO, FAO, TNSJ, SOHO, SOHO, SOHO, AJAN, BIDO, BIDO, ALNE, ALNE, ALNE, HOQ, HOQ, HOQ, ANAR, WSAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WSAR, WSPR, WPTAR, etc.

IDC 14 01:50:28.8, 2.3, 16.19S, 172.60W, h0km, mb3.7/6, mbmp3.7/6, MS3.5/3, Error ellipse: s-maj=139.6km s-min=22.5km az=145.0

ISC 14 01:50:32.6, 2.3, 16.2S, 172.6W, 0.6, h24km, n9, #05497, mb3.6/6, Samoa Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MSFV, PPT, STKA, etc.

IDC 14 01:56:19.2, 1.7, 3.34N, 126.38E, h0km, mb3.4/4, mbmp3.4/4, Error ellipse: s-maj=196.8km s-min=26.5km az=67.0

DJA 14 01:56:21.0, 0.5, 4.1N, 16.12E, h18km, 16km, M3.4/6, MLV3.4/6

ISC 14 01:56:26.3, 1.2, 3.5N, 126.7E, 0.2, h53km, n6, #075/6, mb3.4/4, Talau Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SGSI, TNTI, WRA, etc.

IDC 14 02:01:42.6, 1.2, 2.35N, 126.46E, h0km, mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=140.8km s-min=18.4km az=67.0

DJA 14 02:01:48.2, 0.3, 2.4N, 12.7E, h10km, M4.0/8, mB5.2/1, mb4.6/1, MLV3.7/8, Mw(mB)/4.6/1

ISC 14 02:01:50.3, 1.0, 2.37N, 126.7E, 0.1, h55km, n9, #1939/9, mb3.6/6, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TMTI, SGSI, LUWI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MKAR, KURBB, etc.

UPA 14 02:14:14.9, 1.7, 6.71N, 82.34W, h10km, 51km, MW4.6 UCR 14 02:14:16.3, 1.5, 6.74N, 82.39W, h36km, 30km, MW3.7

ISC 14 02:14:13.1, 3.6, 6.8N, 82.36W, h36km, 30km, MW3.7 #1503/30, 2C-4D, South of Panama

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GMAIL, PTPM, DVID, etc.

NEIC 14 02:23:41.1, 9.12, 15.01N, 166.7E, 0.1, h73km, 7km, mb4.9/37, Error ellipse: s-maj=16.4km s-min=12.8km az=215.0

IDC 14 02:23:41.7, 3.0, 12.10S, 166.58E, h83km, 25km, mb4.1/18, mbmp4.4/21, MS3.7/16, Error ellipse: s-maj=19.2km s-min=13.7km az=75.0

NOU 14 02:23:42.1, 12.14S, 166.36E, h57km, mb5.0/31, Santa Cruz Islands

ISC 14 02:23:41.4, 0.4, 12.10S, 166.60E, 0.05, h83km, n129, #154/129, mb4.8/54, 4C-3D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LUES, LUES, LUES, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TOO, WRB, WRAB, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like H11N1 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like SONMI Songo Array, WMQ Urumqi, PETK Petrovavol'sk, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like SJCC San Jacinto, SJBC PUERTO BERRIO, PTBC PUERTO BERRIO, etc.

UCR 14 03:21:07.2-1.0, 9.16N, 85.53W, h29km, 5km, MW3.6, Off coast of Costa Rica

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like CBL1 Cabuya, PLVR Palo Verde, JUNT Juntas, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like KURB Kurchatov Arra, KURK Kurchatov, BVAR Borovoye, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like OCAC Ocana, URMC La Uribe, URMC La Uribe, etc.

IDC 14 03:24:13.2-0.6, 1.57N, 126.17E, h0km, mb4.1/1.6, mbmp4.1/1.7, ML4.4/1, MS3.0/1, Error ellipse: s-maj=40.7km s-min=13.0km az=73.0

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like DJA 14 03:24:17.7-1.1, NEIC 14 03:24:20.4-2.7, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like ILAR Eielson Array, BRTR Keskin Array, ARCES ARCESS Array, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like CRJC Cerrejon, CRJC Cerrejon, CRJC Cerrejon, etc.

ISC 14 03:24:20.4-0.4, 1.61N, 0.05-126.37E, 0.06, h47km, n82, c1932/83, mb4.4/39, LD, Northern Molucca Sea

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like TNTI Ternate, SGTI Sangihe, KMSI Cibinong, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like SPITS Spitsbergen Arr, TXRD Torodi Arr, MT01 Peteta, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

UPA 14 03:54:17.5-1.1, 7.34N, 78.38W, h3km, 6km, MW4.1, RSNC 14 03:54:18.7-0.0, 7.1N, 77.87W, h1km, 2km, M3.0, mb4.2, mb5.2, ML2.8, MW(4.0)

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like PTAC Punta Ardita, PTAC Punta Ardita, PTAC Punta Ardita, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like UPA 14 03:54:17.5-1.1, UPA 14 03:54:17.5-1.1, UPA 14 03:54:17.5-1.1, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

ISC 14 04:01:11.8-0.7, 4.7N, 121.9E, h10km, M4.3/9, mb4.6/3, ML4.2/9

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like TNTI Ternate, SGTI Sangihe, MRSI Marisa, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like PTAC Punta Ardita, PTAC Punta Ardita, PTAC Punta Ardita, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

ISC 14 04:01:14.1-1.0, 6.34N, 0.07-128.6E, 0.1, h45km, n49, c1507/45, mb4.2/23, North of Malhepera

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like TNTI Ternate, SGTI Sangihe, MRSI Marisa, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like PTAC Punta Ardita, PTAC Punta Ardita, PTAC Punta Ardita, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

ISC 14 04:01:17.0-0.7, 3.55N, 128.48E, h0km, mb3.9/13, mbmp3.9/13, MS3.4/5, Error ellipse: s-maj=42.4km s-min=13.8km az=78.0

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like TNTI Ternate, SGTI Sangihe, MRSI Marisa, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like PTAC Punta Ardita, PTAC Punta Ardita, PTAC Punta Ardita, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

ISC 14 04:01:10.2-2.0, 3.50N, 0.09-128.6E, 0.1, h10km, 1km, mb4.5/20, Error ellipse: s-maj=20.7km s-min=15.4km

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like TNTI Ternate, SGTI Sangihe, MRSI Marisa, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like PTAC Punta Ardita, PTAC Punta Ardita, PTAC Punta Ardita, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

DJA 14 04:01:11.8-0.7, 4.7N, 121.9E, h10km, M4.3/9, mb4.6/3, ML4.2/9

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like TNTI Ternate, SGTI Sangihe, MRSI Marisa, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like PTAC Punta Ardita, PTAC Punta Ardita, PTAC Punta Ardita, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

ISC 14 04:01:14.1-1.0, 6.34N, 0.07-128.6E, 0.1, h45km, n49, c1507/45, mb4.2/23, North of Malhepera

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like TNTI Ternate, SGTI Sangihe, MRSI Marisa, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like PTAC Punta Ardita, PTAC Punta Ardita, PTAC Punta Ardita, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

ISC 14 04:01:17.0-0.7, 3.55N, 128.48E, h0km, mb3.9/13, mbmp3.9/13, MS3.4/5, Error ellipse: s-maj=42.4km s-min=13.8km az=78.0

Table with columns: Code, Station Name, Time, Res, and other parameters. Includes stations like TNTI Ternate, SGTI Sangihe, MRSI Marisa, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like PTAC Punta Ardita, PTAC Punta Ardita, PTAC Punta Ardita, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like URMC La Uribe, URMC La Uribe, URMC La Uribe, etc.

14d 4h

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GAR, KBAR, BRVK, etc.

IDC 14 04:02:24.8.1.6.54.12N.161.39W, h0km, mb4.0/10, mbmp3.9/12, ML3.1/2, MS3.9/3, Error ellipse: s-maj=42.6km s-min=17.3km az=150.0

NEIC 14 04:02:30.8.2.0.54.33N.0.04.161.52W, h21km, 9km, mb3.5/11, ML3.5/12, ML3.4(AEIC), Error ellipse: s-maj=6.7km s-min=4.7km az=221.0

AEIC 14 04:02:32.2.1.54.42N.0.04.161.45W, h35km, 6km, Error ellipse: s-maj=7.8km s-min=4.7km az=82.0

ISC 14 04:02:31.1.0.9.54.27N.0.09.161.39W, h0.05, h37km, 2km, n75, e1217.5, mb4.0/11, MS4.1/3, Alaska Peninsula

Main table of seismic events with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like HAG, PSIA, PS1A, etc.

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Table with columns: LEM, MAW, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like LEM, MAW.

MOS 14 04:23:39.0.0.9.36.20N.139.77E, h50km, mb5.4/7.3, Error ellipse: s-maj=6.4km s-min=3.8km az=119.6

BJJ 14 04:23:40.7.36.14N.139.98E, h90km, mb4.8/28, mb4.8/71, NEIC 14 04:23:41.0.2.2.36.19N.0.05.139.88E, h0.07, h53km, 4km, mb5.0/261, Error ellipse: s-maj=8.8km s-min=7.0km az=116.0

IDC 14 04:23:42.5.1.2.36.13N.139.65E, h67km, 9km, mb4.5/36, mbmp4.8/33, MS4.0/56, Error ellipse: s-maj=11.1km s-min=8.6km az=125.0

JMA 14 04:23:42.3.0.1.36.22N.0.3.139.8E, h53km, MD4.9/40, MW4.8/40, SW IBARAKI PREF, JMA FV4 J1 at SW IBARAKI PREF.

NIED 14 04:23:42.3.36.16N.139.81E, h53km, MW4.8, Moment Tensor Solution. s3 Moment tensor: Scale 10^16Nm; Mw:1.0; Ms:-1.23; Mv:0.27; Mw:0.43; Mv:-0.68; Mw:1.03; Fault plane solution: Mw:1.00000x10^16 NP1: p=261.00000, s=33.00000, t=124.00000. NP2: p=42.00000, s=63.00000, t=170.00000

GCMT 14 04:23:44.0.0.3.36.16N.0.02.139.83E, h56km, 1km, MW4.9, Moment Tensor Solution. s46, c55; e81, c111; Duration: 0. Moment tensor: Scale 10^16Nm; Mw:2.43; Ms:1.81; Mw:0.9; Ms:0.61; Mw:0.92; Mw:0.65; Mw:0.87; Mw:0.7; Mw:0.62; Best double couple: Mw:2.58600x10^16 NP1: p=253.00000, s=31.00000, t=103.00000. NP2: p=5.00000, s=59.00000, t=182.00000. Principal axes: T 2.7770, P1g74.0000, Azm307.0000; N -0.3730, P1g7.0000, Azm62.0000; P -2.3960, P1g14.0000, Azm153.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular

ISC 14 04:23:40.9.0.4.36.15N.0.03.139.80E, h0.03, h55km, 3km, h55km, P, n1029, e1845/892, mb5.0/279, MS4.0/68, 53C-36, Eastern Honshu

Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like JYT, JYJ, etc.

Main table of seismic events with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like JYT, JYJ, JAG, etc.

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Main table of seismic events with columns: JTT, JGF, JGF, JGF, etc. Includes stations like Tatey, Kuroka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MW3.4, VAO 14 04:35:17.6, 2.11, 70S:69.76W, h44km, 13km, mb4.4, etc.

14 04:47:30.4, 6.9, 36.41N:70.40E, h126km, 90km, mb3.6/4, mbmp3.8/6, ML3.1/2, Error ellipse: s-maj=110.0km

14 04:47:27.8, 1.9, 36.32N:70.30E, h100km, n7, c230/9, mb4.1/4, 1C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, JMU Jammu, HNLV HANLEY, etc.

HLW 14 04:52:06.7, 26.86N:35.12E, h22km, 12km, Md3.1, M12.8

SGS 14 04:52:11.5, 26.86N:34.78E, h31km, M12.2

14 04:52:06.5, 1.0, 26.80N:0.04, 34.76E, h12km, n26, c1335/30, Red Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NSFG Safaga, HHRG AI Ghardaqah, etc.

ASUT 2.91 282 P Pn 04 52 55.6 +2.9

BADR Badr 4.57 129 P Pg 04 53 34.3 +0.2

14 05:01:39.8, 1.2, 38.53N:70.92E, h0km, mb3.8/1.0, mbmp3.8/1.5, ML3.3/5, MS3.7/1, Error ellipse: s-maj=19.5km s-min=12.6km az=132.0

SOME 14 05:01:55.6, 39.43N:70.85E, h10km

14 05:01:42.0, 0.6, 38.75N:0.04, 70.88E, h10km, n64, c271/78, mb3.9/13, 4C-7D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DRK Karamyk, BTM Batken, etc.

14 05:05:14.4, 0.7, 16.67S:0.07, 69.56W, h189km, n29, c086/32, mb4.1/5, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB18 Visiviri, LPAZ La Paz, etc.

TEH 14 05:24:05.4, 35.00N:59.96E, h8km, 23km

14 05:24:06.2, 1.5, 35.32N:59.69E, h0km, mb3.4/8, mbmp3.5/11, ML3.5/3, MS3.7/1, Error ellipse: s-maj=32.8km s-min=19.4km az=155.0

14 05:24:05.7, 0.7, 35.01N:0.03, 59.95E, h10km, n39, c180/36, mb3.7/6, Northern and central Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TBJM Torbat-e-JAM, TBHD Torbat haydari, etc.

KURBB Kurchatov Arra 13.04 22 Pn 05 04 48.7 +1.4

AB31 Akbulak array 13.1 27 P Pn 05 04 47.3 -0.9

BVAR Borovoye Array 14.28 359 Pn 05 05 04.8 +0.7

BRVK Borovoye 14.31 359 Pn 05 05 05.2 +0.6

AKTO Aktyubinsk 14.82 326 Pn 05 07 48.9 -6.7

AKTO Aktyubinsk 14.82 326 Pn 05 05 12.1 +0.6

ZALV Zalesovo Array 17.93 28 Pn 05 05 49.2 -2.1

BELO Belogoroye 21.11 318 Pn 05 06 27.4 +0.7

BR131 Keskin Array S 28.73 284 Pn 05 07 39.3 -0.4

BRTR Keskin Array B 28.73 284 Pn 05 07 39.5 -0.2

AKASG Malin Array Bz 31.50 306 Pn 05 08 05.2 +1.3

KIEV Kiev 31.51 306 P P 05 08 05.1 +1.2

FIAT FINESS Array S 35.58 324 P P 05 08 40.3 +1.1

FINES FINESS Array B 35.58 324 P P 05 08 40.5 +1.2

ARCES ARCESS Array B 39.03 337 P Iamb P 05 09 09.5 +1.0

HFS Hagfors 41.26 320 P P 05 09 27.5 +0.6

NC405 NORRAR Array S 42.30 322 P P 05 09 36.3 +0.7

NOA NORRAR Array B 42.54 322 P P 05 09 37.5 -0.1

TORD Torodi Arr. Bea 65.70 268 P P 05 12 26.4 -0.6

YKA Yellowknife Arr 79.00 3 P P 05 13 46.2 +0.5

WRA Warramunga Arr 83.26 122 P P 05 14 07.6 -1.4

14 05:04:47.6, 4.2, 16.31S:71.46W, h0km, mb3.7/3, mbmp3.7/3, ML4.9/1, Error ellipse: s-maj=122.6km

NEIC 14 05:05:14.1, 1.5, 16.61S:0.08, 69.56W, h194km, 9km, mb4.3/3, Error ellipse: s-maj=14.2km s-min=8.8km az=127.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB18 Visiviri, LPAZ La Paz, etc.

TEH 14 05:24:05.4, 35.00N:59.96E, h8km, 23km

14 05:24:06.2, 1.5, 35.32N:59.69E, h0km, mb3.4/8, mbmp3.5/11, ML3.5/3, MS3.7/1, Error ellipse: s-maj=32.8km s-min=19.4km az=155.0

14 05:24:05.7, 0.7, 35.01N:0.03, 59.95E, h10km, n39, c180/36, mb3.7/6, Northern and central Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TBJM Torbat-e-JAM, TBHD Torbat haydari, etc.

KURBB Kurchatov Arra 13.04 22 Pn 05 04 48.7 +1.4

AB31 Akbulak array 13.1 27 P Pn 05 04 47.3 -0.9

BVAR Borovoye Array 14.28 359 Pn 05 05 04.8 +0.7

BRVK Borovoye 14.31 359 Pn 05 05 05.2 +0.6

AKTO Aktyubinsk 14.82 326 Pn 05 07 48.9 -6.7

AKTO Aktyubinsk 14.82 326 Pn 05 05 12.1 +0.6

ZALV Zalesovo Array 17.93 28 Pn 05 05 49.2 -2.1

BELO Belogoroye 21.11 318 Pn 05 06 27.4 +0.7

BR131 Keskin Array S 28.73 284 Pn 05 07 39.3 -0.4

BRTR Keskin Array B 28.73 284 Pn 05 07 39.5 -0.2

AKASG Malin Array Bz 31.50 306 Pn 05 08 05.2 +1.3

787 **2019 JAN** 14d 5h

SML	Sawmill	24.96	56	P	P	06 03 38.8	-0.1
COLA	College	24.99	48	P	P	06 03 38.5	-0.5
H24K	Noodin Dome	24.99	46	P	P	06 03 39.8	+0.7
PWL	Port Wells	25.09	58	P	P	06 03 38.8	-1.2
F24K	Squaw Lake	25.09	42	P	P	06 03 39.8	-0.1
C24K	Franklin Bluff	25.11	37	P	P	06 03 39.9	-0.1
POKR	Poker Plat Res	25.17	48	P	P	06 03 40.5	-0.2
G24K	Hadweencic Riv	25.19	44	P	I Amb	06 03 41.0	+0.2
G24K	Hadweencic Riv	25.19	44	P	P	06 03 40.9	0.0
M23K	Glacier View	25.25	56	P	P	06 03 39.8	-1.6
HDA	Harding Lake	25.39	49	P	P	06 03 41.5	-1.2
IL31	Eielson Array	25.41	49	P	P	06 03 42.0	-0.7
ILAR	Eielson Array	25.41	49	P	P	06 03 41.9	-0.9
SCM	Sheep Creek Mo	25.43	55	P	P	06 03 42.5	-0.6
D25K	Kavik River	25.85	38	P	I Amb	06 03 46.3	-0.6
D25K	Kavik River	25.85	38	P	P	06 03 46.1	-0.8
M24K	Tolsona, Glenn	25.94	55	P	P	06 03 48.3	+0.6
M24K	Tolsona, Glenn	25.94	55	P	P	06 03 49.1	+1.3
MJB9	Matsu-Tunnel	25.94	234	P	I Amb	06 03 47.4	-0.6
MJAR	Matsushiro Arr	25.95	234	P	P	06 03 48.3	+0.4
MAJO	Matsushiro	25.95	234	P	I Amb	06 03 49.1	+1.2
MAJO	Matsushiro	25.95	234	P	I Amb	06 04 13.3	
MAJO	Matsushiro	25.95	234	P	P	06 03 49.1	+1.2
F25K	Christian Rive	25.96	42	P	P	06 03 47.9	0.0
F25K	Christian Rive	25.96	42	P	P	06 03 47.9	0.0
PRP	Porcupine Dome	25.96	47	P	P	06 03 48.0	0.0
E25K	Arctic Village	26.02	41	P	I Amb	06 03 48.4	0.0
E25K	Arctic Village	26.02	41	P	P	06 03 48.4	0.0
J25K	Salcha River	26.06	49	P	P	06 03 47.3	-1.6
J25K	Salcha River	26.06	49	P	P	06 03 47.6	-1.3
BMAR	Burnt Mountain	26.36	42	P	P	06 03 51.6	+0.2
C26K	Camden Bay	26.44	37	P	P	06 03 51.6	-0.5
F26K	Sheenjek River	26.53	42	P	P	06 03 53.1	+0.1
G26K	Porcupine Rive	26.66	44	P	P	06 03 54.5	+0.5
SCRK	Sand Creek	26.71	50	P	P	06 03 53.4	-1.4
N25K	Chitina, Valde	26.75	56	P	P	06 03 54.1	-1.0
C27K	Jago River	26.82	38	P	I Amb	06 03 55.1	-0.4
C27K	Jago River	26.82	38	P	P	06 03 55.6	+0.1
BMRM	Bremner River	26.87	57	P	P	06 03 56.1	0.0
M26K	Nabesna, AK	27.37	54	P	P	06 04 00.9	+0.3
G27K	Doyon Strip	27.50	44	P	P	06 04 02.0	+0.3
G27K	Doyon Strip	27.50	44	P	P	06 04 01.5	-0.2
E27K	Coleen River	27.51	41	P	P	06 04 01.5	-0.3
H27K	Steamboat Moun	27.58	45	P	P	06 04 02.1	-0.3
I27K	Kandik River	27.59	46	P	P	06 04 02.5	0.0
D27M	Malcolm River	27.76	39	P	P	06 04 04.4	+0.3
L27K	Beaver Creek	27.79	52	P	P	06 04 05.7	+1.3
BCAR	Beaver Creek A	27.81	52	P	P	06 04 04.7	+0.2
EGAK	Eagle	27.85	48	P	P	06 04 03.9	-0.9
F28M	Old Crow	28.17	42	P	P	06 04 08.0	+0.3
E28M	Babbage River	28.27	40	P	P	06 04 08.9	+0.4
I28M	Miner Creek	28.30	47	P	P	06 04 09.5	+0.6
BVCY	Beaver Creek	28.34	53	P	P	06 04 09.9	+0.6
YUK3	Moose Creek	28.66	54	P	P	06 04 12.0	-0.3
H29M	Whitestone	28.86	45	P	P	06 04 13.3	-0.4
E29M	Blow River	28.88	40	P	P	06 04 13.8	-0.2
G29M	Pine Creek	28.93	43	P	P	06 04 15.7	+1.3
O28M	Mount Upton	29.02	56	P	P	06 04 15.0	-0.6
YUK8	Steele Glacier	29.09	55	P	P	06 04 15.9	-0.3
P29M	Pinnacle	29.16	58	P	P	06 04 16.9	+0.2
M19M	Somme Creek	29.43	53	P	P	06 04 18.9	-0.1
L29M	L29M	29.44	51	P	I Amb	06 04 19.5	+0.5
L29M	L29M	29.44	51	P	P	06 04 20.4	
L29M	L29M	29.44	51	P	P	06 04 18.9	-0.1
EPYK	Eagle Plains	29.50	44	P	P	06 04 19.5	0.0
K29M	Barlow Dome	29.56	50	P	P	06 04 20.4	+0.2
YUK4	Talbot Arri	29.60	55	P	P	06 04 20.9	+0.3
G30M	Itoah Zraii Nji	29.63	43	P	P	06 04 21.9	+0.3
F30M	Barrier River	29.73	42	P	P	06 04 20.5	0.0
I30M	Mount Dempster	29.81	47	P	P	06 04 22.0	-0.3
YUK6	Outpost Mounta	29.84	56	P	P	06 04 22.5	-0.3
O29M	Mount Kennedy	29.91	57	P	I Amb	06 04 22.8	-0.5
O29M	Mount Kennedy	29.91	57	P	P	06 04 23.4	+0.1
J30M	Hart River	29.94	48	P	P	06 04 23.6	+0.1
HYT	Haines Junctio	30.27	56	P	P	06 04 27.3	+0.8
G31M	Satah River	30.40	43	P	I Amb	06 04 26.6	-0.7
G31M	Satah River	30.40	43	P	P	06 04 26.7	-0.7
KSR9	Korea Array	30.42	249	LR	LR	06 15 00.4	
INK	Inuvik	30.50	40	P	P	06 04 28.4	+0.2
P29M	Windy Craggy	30.51	58	P	P	06 04 28.4	-0.1
F31M	Tsiighehtic	30.53	42	P	P	06 04 28.0	-0.5
P30M	Million Dollar	30.73	57	P	P	06 04 30.7	+0.2
O30N	Mendenhall	30.95	55	P	P	06 04 33.3	+0.8
O30N	Mendenhall	30.95	55	P	P	06 04 32.6	+0.2

WHY	Whitehorse	31.55	55	P	P	06 04 38.5	+0.7
SKAG	Skagway	31.73	57	P	I Amb	06 04 37.7	-1.5
SKAG	Skagway	31.73	57	P	P	06 04 38.4	-0.7
FARO	Faro, Yukon	31.79	52	P	P	06 04 40.0	+0.2
FARO	Faro, Yukon	31.79	52	P	P	06 04 40.3	+0.5
R32K	Eaglecrest	32.54	59	P	P	06 04 47.2	+0.9
SIT	Sitka	32.60	62	P	P	06 04 47.0	+0.2
SIT	Sitka	32.60	62	P	P	06 04 47.1	+0.2
A36M	Sachs Harbour	32.86	33	P	P	06 04 46.1	-2.9
Q32M	Nakina River	33.38	57	P	P	06 04 54.0	+0.1
Q32M	Nakina River	33.38	57	P	P	06 04 54.4	+0.6
C36M	Paulatuk	33.72	37	P	I Amb	06 04 55.9	-0.6
C36M	Paulatuk	33.72	37	P	P	06 04 56.3	-0.1
R33M	Jennings River	33.84	56	P	I Amb	06 04 57.9	+0.1
R33M	Jennings River	33.84	56	P	P	06 04 57.3	0.0
R33M	Jennings River	33.84	56	P	P	06 04 57.4	-0.4
S34M	Telegraph Cree	34.34	59	P	I Amb	06 05 03.0	+1.1
S34M	Telegraph Cree	34.34	59	P	P	06 05 04.0	0.0
WTLY	Watson Lake, Y	34.58	54	P	P	06 05 04.8	+0.7
DLBC	Dease Lake	34.66	57	P	P	06 05 05.5	+0.7
T35M	Bob Quinn	35.16	60	P	P	06 05 10.5	+1.4
V35K	Ketchikan	35.22	63	P	P	06 05 08.9	-0.7
ULN	Ulanbaatar	35.49	282	P	P	06 05 11.4	-0.9
ULN	Ulanbaatar	35.49	282	P	P	06 05 11.4	-0.9
NR1K	Noril'sk	35.57	324	P	I Amb	06 05 12.7	+0.2
NR1K	Noril'sk	35.57	324	P	P	06 05 12.8	+0.4
NR1K	Noril'sk	35.57	324	P	P	06 05 12.7	+0.2
H11N2	WAKE ISLAND Hy	35.61	176	T	T	06 43 18.1	
H11N3	WAKE ISLAND Hy	35.63	176	T	T	06 43 27.6	
H11N1	WAKE ISLAND Hy	35.63	176	T	T	06 43 33.9	
SOMN	Songino Array	35.88	283	P	P	06 05 15.2	-0.2
SOMN	Songino Array	35.88	283	P	P	06 05 15.2	-0.2
SOMN	Songino Array	35.88	283	P	P	06 05 15.2	-0.2
KOTAN	Kotanelee Air	36.75	53	P	P	06 05 23.9	+1.3
TOAD	Toad River Com	36.76	55	P	P	06 05 24.1	+1.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 31.3	+2.4
HHC	Hu-ho-hao-te	37.22	270	eP	sP	06 05 27.3	+0.3

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Thein Dam, Uzb, HRA, BHK, HNLV, KLP, KKR, BKNR, MAKZ, MK31, MKAR, AJM, AJM, AJM, KURBB, AB31, ABKAR, ABKUR, ABVAR, BRVK, AKTO, AKTO, AKTO, ZAAO, ZALV, ZALV, ARTI, ARTI, ARTI, ARTI, BELG, BELG, KARS, KARS, KBZ, KBZ, KIV, KIV, KIV, KIV, SH1, SHL, SHL, LABN, LABN, ERBR, ERBR, KIRV, VORD, VSR, ANN, ANN, BRTR, BRTR, AKASG, AKASG, AKASG, AKAB, AKAB.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like AKKB, AKKB, KIEV, KIEV, KIEV, NRIK, NRIK, BUR08, ALN, ALN, FIA1, FINE, OJC, OJC, ARCES, ARCES, ARCES, ARCES, CN2, CN2, HNF, HNF, NC405, NC303, NB2, NOA, TIXI, TIXI, SPITS, SPITS, ESDC, TORD, ILAR, YKA, WRA, ASAR, NEIC, IDC, NNC, ISC, Code, Station Name, Az, AZ, Phase ID, Time, Res.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KLP, KLP, MK31, MKAR, MKAR, AB31, ABKAR, BVAR, BRVK, AKTO, ZAAO, ZALV, ZALV, ARTI, BELG, KARS, KARS, KBZ, KIV, KIV, SIRT, SIRT, SONM, AKASG, AKAB, KIEV, KIEV, NRIK, TIR, PHRA, BUR08, FIA1, FINE, FINE, ARCES, ARCES, HFS, HFS, NC602, NC303, NC303, NC204, SPITS, SPITS, TORD, YKA, WRA, ASAR, NEIC, IDC, Code, Station Name, Az, AZ, Phase ID, Time, Res.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KIROV, RDO, SORM, OBN, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like HFS, KEV, ARCES, NO60, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like G27K, G29M, F31M, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANAKKALE-MER, SKIROS ISLAND, CANAKKALE, CANDARI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GZUR, COVRO, PLORE, VRSI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H03S1, H03S3, H03N2, etc.

ASRS 14 07:20:05.0:1.7,53:72N:90:99E,h0km,M2.8, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 14 07:20:14.3:3.4,53:58N:90:58E,h0km,mbtmp2.8/3, ML2.5/3, Error ellipse: s-maj=27.8km s-min=23.0km az=58.0

NMC 14 07:20:14.1:5.7,53:68N:90:56E,h0km,mb3.0,mpv2.7, Error ellipse: s-maj=40.6km s-min=32.7km az=60.0, Suspected Mining explosion.

ISC 14 07:20:09.4:4,3,53:93N:02:90.7E:0.2,h0km,n8,c185/10, 2C-8D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H46RU, ZAAO, ZAAO, ZAAO, ZALV, ZALV, ZALV, etc.

NEIC 14 07:21:04.0:4.0,36:939N:01:010:97.92W:0.01,h7km,1km, mb Lg2.5/2,ML2.6/13,ML2.2/33, Error ellipse: s-maj=1.6km s-min=1.3km az=92.0

NEIC 14 07:21:04.0:3.0,5,36:931N:0:006:97.93W:0.01,h4km,2km, Error ellipse: s-maj=1.6km s-min=1.2km az=99.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAN14, KAN14, KAN14, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAN05, KAN05, KAN05, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAN09, KAN09, KAN09, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CSTR, ELIS, DEOK, etc.

ML2.2/3, Error ellipse: s-maj=16.3km s-min=10.4km az=9.0, Southwestern Siberia

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
I46RU	ZALESOVO INFRA	0.96	141	Op	07 36 13.4	
ZALV	Zalesovo Beam	0.96	141	Pg	07 30 56.5	-1.1
ZALV	Zalesovo Beam	0.96	141	Lg	07 31 11.3	
KURBB	Kurchatov Arra	5.20	220	Pn	07 31 56.8	-1.3
KURBB	Kurchatov Arra	5.20	220	Sn	07 32 58.9	+0.3
MKAR	Makanchi Array	7.98	188	Pn	07 32 37.7	+1.5
MKAR	Makanchi Array	7.98	188	Lg	07 34 56.2	
BVAR	Borovyoye Array	8.11	264	Pn	07 32 37.2	-0.8

IDC 14 07:57:05.6:1.9, 52:65N:175:33W, h0km, mbtmp3.4/4, mbtmp3.4/6, ML3.3/2, Error ellipse: s-maj=77.2km s-min=29.6km az=145.0
NEIC 14 07:57:10.7:2.0, 52:85N:170:174:19W, 0.05, h34km, 3km, mb3.6/4, ML3.3/6, Error ellipse: s-maj=9.5km s-min=4.4km az=168.0

ISC 14 07:57:11.3:0.8, 52:79N:170:08:174:04W:0.07, h35km, n25, n177/18, mb3.5/6, Andreev Islands

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
ATKA	Atka Island	0.60	189	Op	07 57 22.4	-0.9
ATKA	Atka Island	0.60	189	Pn	07 57 33.3	+1.5
ADK	Adak	1.86	242	Pn	07 57 39.0	-1.6
ADK	Adak	1.86	242	Sn	07 58 05.5	+2.7
ADK	Adak	1.86	242	IAMB	07 58 10.4	
KIWB	Kanaga Island	2.13	245	Pn	07 57 44.3	0.0
NIKH	Nikolski High	3.15	85	Pn	07 57 57.6	-0.7
P08K	Saint George I	4.62	33	Pn	07 58 17.2	-1.4
UNV	Unalaska Valle	4.64	74	Pn	07 58 17.9	-0.9
KDAD	Kodiak Island	13.19	59	Pn	07 58 26.2	+0.9
ILAR	Eielson Array	18.31	39	P	08 01 26.2	+4.1
J25K	Saicha River	18.82	40	P	08 01 27.8	-0.6
SCRK	Sand Creek	19.11	42	P	08 01 31.1	+0.1
BMAR	Burnt Mountain	20.45	33	P	08 01 45.6	+0.3
J30M	Hart River	22.48	44	P	08 02 07.5	+0.2
H11N2	WAKE ISLAND Hy	36.16	211	T	08 42 03.6	
H11N3	WAKE ISLAND Hy	36.17	211	T	08 41 59.2	
H11N1	WAKE ISLAND Hy	36.18	211	T	08 42 00.0	
H11S1	WAKE ISLAND Hy	37.37	211	T	08 43 14.3	
H11S2	WAKE ISLAND Hy	37.39	211	T	08 43 15.5	
H11S3	WAKE ISLAND Hy	37.39	211	T	08 43 16.9	
NVAR	Minna Array Bea	40.51	88	P	08 04 52.0	+5.0
PDAR	Pinedale Array	43.10	77	P	08 05 07.3	-0.8
PDAR	Pinedale Array	43.10	77	P	08 05 13.0	+4.9
PSUT	Pine Spring	43.14	84	P	08 05 08.2	-0.2
TXAR	Lajitas Array	55.58	86	P	08 06 44.3	+1.0
TXAR	Lajitas Array	55.58	86	P	08 06 49.5	+6.2
ASAR	Alice Springs	88.55	226	P	08 09 56.9	-3.3

IDC 14 08:00:28.0:3.0, 54:22N:86:79E, h0km, mbtmp2.7/2, ML2.6/2, Error ellipse: s-maj=26.0km s-min=16.1km az=52.0, Southwestern Siberia

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
I46RU	ZALESOVO INFRA	1.19	258	Op	08 07 20.0	
ZALV	Zalesovo Beam	1.19	258	Pg	08 00 49.2	-1.6
ZALV	Zalesovo Beam	1.19	258	Lg	08 01 07.5	
KURBB	Kurchatov Arra	6.21	238	Pn	08 02 01.3	+0.6
KURBB	Kurchatov Arra	6.21	238	Lg	08 03 46.9	
MKAR	Makanchi Array	7.97	203	Pn	08 02 26.4	+1.4

ASRS 14 08:16:51.0:1.0, 55:74N:86:12E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 14 08:16:58.2:2.9, 55:47N:86:28E, h0km, mbtmp3.0/3, ML2.5/3, Error ellipse: s-maj=26.3km s-min=19.6km az=63.0, Southwestern Siberia

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
I46RU	ZALESOVO INFRA	1.75	210	Op	08 17 28.5	-1.2
ZALV	Zalesovo Beam	1.75	210	Pg	08 17 54.5	
ZALV	Zalesovo Beam	1.75	210	Lg	08 18 37.6	-0.6
KURBB	Kurchatov Arra	6.21	238	Pn	08 20 32.5	
KURBB	Kurchatov Arra	6.21	238	Lg	08 20 32.5	
MKAR	Makanchi Array	9.04	198	Pn	08 19 10.0	+0.1
MKAR	Makanchi Array	9.04	198	Lg	08 21 43.6	
BVAR	Borovyoye Array	8.62	262	Pn	08 19 17.7	-0.1

IDC 14 08:20:06.2:1.0, 36:32N:97:59W, h0km, mbtmp3.4/5, ML3.3/5, Error ellipse: s-maj=13.8km s-min=10.1km az=124.0

NEIC 14 08:20:07.0:0.9, 36:27N:0:009:97:624W:0:007, h5km, 1km, mb_Lg3.6/1/13, ML4.2/5/8, Error ellipse: s-maj=2.6km s-min=1.6km az=81.0

ISC 14 08:20:07.4:1.4, 36:27N:0:009:97:63W:0:03, h16km, n128, n077/101, Oklahoma

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
CROK	Carrier	0.37	309	Op	08 20 15.8	+0.1
CROK	Carrier	0.37	309	Pb	08 20 21.4	+0.2
CROK	Carrier	0.37	309	IAMB	08 20 21.6	
BLOCK	Blackwell	0.59	34	Pb	08 20 19.4	+0.1
BLOCK	Blackwell	0.59	34	Sb	08 20 27.7	+0.2
BLOCK	Blackwell	0.59	34	IAMB	08 20 27.7	+0.2

BLOCK	Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC	
	GC02	Grant County #	0.61	342	Pb	08 20 19.8	+0.1
	GC02	Grant County #	0.61	342	Sg	08 20 28.4	+0.3
	ADOK	Arcadia Dam	0.65	162	Pb	08 20 24.0	+0.2
	ADOK	Arcadia Dam	0.65	162	Sb	08 20 29.7	+0.4
	OK051	E0350 and S346	0.68	70	Sg	08 20 20.9	0.0
	OK051	E0350 and S346	0.68	70	Sb	08 20 30.1	0.0
	OK051	E0350 and S346	0.68	70	IAMB	08 20 31.5	
	OK009	Oakdale Elemen	0.71	167	Pg	08 20 21.4	+0.1
	OK009	Oakdale Elemen	0.71	167	Sb	08 20 31.6	+0.6
	OK031	S. Brethren Rd	0.71	116	Pb	08 20 21.4	+0.1
	OK031	S. Brethren Rd	0.71	116	Sb	08 20 31.3	+0.3
	OK031	S. Brethren Rd	0.71	116	IAMB	08 20 31.5	
	KAN14	Manchester OK	0.73	338	Pb	08 20 21.9	+0.1
	KAN13	South Haven Sw	0.75	9	Pb	08 20 22.4	+0.3
	KAN13	South Haven Sw	0.75	9	IAMB	08 20 23.1	
	KAN13	South Haven Sw	0.75	9	IAMB	08 20 38.1	
	QUOK	Quay	0.75	98	Pb	08 20 22.1	0.0
	QUOK	Quay	0.75	98	Pb	08 20 22.3	+0.1
	KAN17	Caldwell West	0.78	352	Pb	08 20 22.2	+0.1
	KAN17	Caldwell West	0.78	352	IAMB	08 20 34.0	
	KAN05	Bluff City Nor	0.86	347	Pb	08 20 24.1	+0.1
	KAN05	Bluff City Nor	0.86	347	IAMB	08 20 37.2	
	KAN05	Bluff City Nor	0.86	347	IAMB	08 20 38.7	
	KAN09	Caldwell North	0.86	0	Pb	08 20 24.2	+0.1
	OKCSW	OKLAHOMA CITY	0.88	170	Pb	08 20 24.2	+0.2
	OKCSW	OKLAHOMA CITY	0.88	170	IAMB	08 20 37.5	
	KAN01	Argonia South	0.89	353	Pb	08 20 24.5	+0.1
	KAN01	Argonia South	0.89	353	IAMB	08 20 37.0	
	KAN01	Argonia South	0.89	353	IAMB	08 20 38.0	
	KAN08	Anthony Ne Sta	0.99	344	Pb	08 20 26.3	+0.1
	KAN08	Anthony Ne Sta	0.99	344	IAMB	08 20 41.0	
	KAN08	Anthony Ne Sta	0.99	344	IAMB	08 20 41.1	
	DEOK	Depew	1.01	115	Pg	08 20 26.3	-0.6
	DEOK	Depew	1.01	115	IAMB	08 20 40.8	
	FNO	Franklin	1.03	170	Pg	08 20 26.8	-0.6
	FNO	Franklin	1.03	170	IAMB	08 20 41.6	
	CSTR	Hydro, Custer	1.07	234	Pg	08 20 27.6	-0.5
	T35A	Sooner Cattle	1.10	54	Pb	08 20 28.2	0.0
	T35A	Sooner Cattle	1.10	54	IAMB	08 20 43.3	
	T35A	Sooner Cattle	1.10	54	IAMB	08 20 43.6	
	NOKA	Waynoka	1.11	289	Pg	08 20 28.3	-0.6
	NOKA	Waynoka	1.11	289	IAMB	08 20 46.1	
	NOKA	Waynoka	1.11	289	IAMB	08 20 47.8	
	W35A	Tecumseh	1.27	151	Pg	08 20 30.6	-1.3
	W35A	Tecumseh	1.27	151	IAMB	08 20 48.9	
	W35A	Tecumseh	1.27	151	IAMB	08 20 49.3	
	ELIS	Ellis County	1.47	262	Pn	08 20 34.3	+1.0
	TUL3	Leonard	1.53	103	Pb	08 20 34.7	+0.6
	TUL3	Leonard	1.53	103	IAMB_Lg	08 20 59.9	
	X34A	Smith Ranch, M	1.68	186	Pn	08 20 37.7	+1.5
	WMOK	Wichita Mounta	1.80	212	Pn	08 20 38.7	+0.9
	RLO	Rose Lookout	2.11	92	Pn	08 20 42.6	+0.5
	R32A	Long Quarter,	2.31	338	Pn	08 20 45.6	+0.7
	SMWO	Samnorwood	2.43	242	Pn	08 20 47.9	+1.3
	WTF5	Wichita Falls	2.59	196	Pn	08 20 49.0	+1.3
	U38A	Gravette	2.62	85	Pn	08 20 49.8	+0.7
	KSU1	Kansas State U	2.94	16	Pn	08 20 54.4	+1.0
	Z35A	Perchaven, San	2.95	179	Pn	08 20 55.0	+1.4
	HHAR	Hobbs	2.98	89	Pn	08 20 54.7	+0.6
	CBKS	Cedar Bluff	3.04	327	Pn	08 20 55.5	+0.5
	CBKS	Cedar Bluff	3.04	327	IAMB_Lg	08 21 50.7	
	FW03	Perrin-Whitt E	3.25	187	Pn	08 20 58.4	+0.7
	FW06	Azie	3.29	179	Pn	08 20 59.7	+1.3
	PLPT	Palo Pinto	3.50	190	Pn	08 21 02.1	+0.9
	FW07	Weatherford	3.56	182	Pn	08 21 03.0	+0.9
	AMTX	Amarillo	3.58	248	Pn	08 21 03.2	+0.8
	APMT	Aspermont	3.59	216	Pn	08 21 03.4	+0.9
	Z38A	M. Pleasant	3.71	143	Pn	08 21 04.9	+0.8
	S39A	Bolivar	3.72	66	Pn	08 21 05.2	+1.0
	MIAR	Mount Ida	3.73	116	Pn	08 21 05.5	+1.1
	MIAR	Mount Ida	3.73	116	IAMB_Lg	08 22 07.7	
	DKNS	Dickens	3.75	227	Pn	08 21 05.9	+1.2
	DKNS	Dickens	3.75	227	IAMB_Lg	08 22 14.6	
	TREL	Terrell	3.75	160	Pn	08 21 05.5	+0.8
	TREL	Terrell	3.75	160	IAMB_Lg	08 22 13.5	
	FW16	Waxahatchie	3				

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like FALS, SPIA, CHNA, CHGN, M1K1, O14K, M13K, N14K, O15K, M14K, P16K, SHEM, M15K, L14K, O16K, ACHA, N17K, OHAK, P18K, O18K, Q19K, KDAK, K20K, M24K, N25K, I23K, COLA, IL31, ILAR, ILAR, MENT, G24K, BCAR, I26K, TOLK, O29M, EGAK, BILL, PETK, BMAR, C23K, DAWY, F26K, N30M, S31K, C24K, O30N, SIT, SKAG, SKAG, S32K, P32M, D27M, FARO, Q32M, SEY, SEY, S34M, R33M, G31M, MA2, INK, INK, INK, BBB, LLLB, YKA, YKA, YKA, D05A, ASAJ, ASAJ, B08A, H04A, H04A, TIXI, TIXI, TIXI, TIXI, E07A, E07A.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like I05D, HAWA, H07A, D08A, C09A, PINE, NEW, YBH, J05D, E09A, KMRM, G08A, I07A, BMO, J08A, WFOR, MSO, MSO, KLR, OVMT, BPMT, RES, MFID, MFID, LYMT, H11N2, H11N1, H11N1, HLID, HLID, DLMT, DLMT, BBGB, EGOT, BOZ, HEH, HEH, NVAR, NVAR, NVAR, H11S1, H11S2, H11S3, ELK, FFC, MAJO, MAJO, MJAR, MJAR, MJAR, MJB9, MJB9, FLWY, FLWY, FWXY, MOW, TPW, LOHW, AHID, DUG, PD31, PDAR, GSC, CN2, U15A, U15A, RSSD, BLYC, BLYC, WUAZ, WUAZ, ULM, ULM, MVCO, KRSR, KRSR, KRSR, NEEM, AGMN, JUNU, JUNU, JUNU, NRIK, NRIK.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NRIK, SDCO, TUC, ANMO, 121A, SPAO, SPITS, SPITS, DAG, DAG, SUGC, SUGC, SUGC, SONM, SONM, DKNS, POST, DBG, DBG, JOW, SN07, TIA, TIA, SNO5, SNO5, WMOK, WMOK, ALPN, ALPN, HHC, HHC, HHC, SFJD, SGCY, SGCY, HNS, HNS, TX31, TXAR, TXAR, ICESG, ICESG, OZNA, OZNA, SAND, DY2G, NJ2, NJ2, BRDY, BRDY, JCT, JCT, DRIO, DRIO, SCO, SCO, FCAR, SCHO, SCHO, LYN, LYN, VADS, ZALV, ARCS, ARCS, ARCS, TROM, TROM, KTK1, XAN, XAN, STEI, STEI, LZH, LZH, LZH, FAUS, TKL, KONS, MORB, LEIR, KURK, KURK, KURB, KURB, BVAR, BVAR, BRVK, MK31, MKAR, MKAR, MKAR, ARTI, ARTI, ARTI.

SHL	Shillong	10.06 297	Pn	Pn	10 57 13.2	-1.4
ENH	Enshi	11.29 36	P	Pn	10 57 30.0	-1.4
LSA	Lhasa	12.75 313	Pn	Pn	10 57 51.6	-0.1
XAN	Xi'an	14.16 25	P	S	10 58 08.8	-1.8
XAN			S	Pn	11 00 45.8	-2.1
XAN	comp=Z,18nm,0.8s			pmax		
XAN	comp=N,5um,11.8s			LR	LR	
XAN	comp=E,8um,10.8s			LR	LR	
XAN	comp=Z,3um,9.7s			LR	LR	
WHN	Wuhan	14.55 48	eP	Pn	10 58 19.3	+3.4
WHN			S	LR	11 01 10.1	-6.7
WHN	comp=N,17um,10.3s			LR	LR	
WHN	comp=E,11um,9.2s			LR	LR	
WHN	comp=Z,5um,7.0s			LR	LR	
LZH	Lanzhou	14.84 6	eP	P	10 58 23.3	-2.6
LZH			S	Pn	10 58 28.3	+8.3
LZH	comp=Z,33nm,1.1s			LR	LR	
LZH	comp=N,2um,10.0s			LR	LR	
LZH	comp=E,950nm,8.1s			LR	LR	
LZH	comp=Z,2um,11.0s			LR	LR	
GOMU	GeErMu	16.05 339	P	Pn	10 58 35.4	-0.7
GOMU			S	Pn	11 01 34.3	-0.1
GOMU	comp=Z,6.0nm,2.0s			pmax		
GOMU	comp=Z,160nm,6.3s			pmax		
GOMU	comp=N,2um,12.8s			LR	LR	
GOMU	comp=E,4um,13.1s			LR	LR	
GOMU	comp=Z,960nm,12.0s			LR	LR	
LYN	LuoYang	16.20 33	P	Pmax	10 58 43.6	+2.8
LYN	comp=Z,22nm,1.2s			LR	LR	
LYN	comp=N,4um,11.7s			LR	LR	
LYN	comp=E,5um,11.0s			LR	LR	
LYN	comp=Z,2um,12.7s			LR	LR	
GTA	Gaotai	18.13 355	eP	S	10 59 03.3	+1.0
GTA			S	P	10 59 09.3	+2.4
GTA	comp=Z,5.0nm,1.7s			LR	LR	
GTA	comp=N,340nm,10.2s			LR	LR	
GTA	comp=E,2um,10.9s			LR	LR	
GTA	comp=Z,480nm,9.8s			LR	LR	
NJ2	Nanjing	18.59 51	eP	Pn	10 59 08.8	+1.3
NJ2				pmax	pmax	
NJ2	comp=Z,11nm,1.6s			LR	LR	
NJ2	comp=Z,170nm,3.6s			LR	LR	
NJ2	comp=N,7um,10.7s			LR	LR	
NJ2	comp=E,5um,9.5s			LR	LR	
NJ2	comp=Z,1um,8.5s			LR	LR	
PSI	Prapat	18.60 189	P	P	10 59 08.6	+1.0
PSI	comp=Z,363nm,20.8s,baz=344,SNR=6.4			LR	11 06 16.5	
RPSI	Rantau Prapat	18.70 189	P	Pn	10 59 08.6	0.0
TIV	Taiyuan	18.76 27	S	S	10 59 12.1	+2.5
TIV			S	Pmax	11 02 43.0	+0.1
TIV	comp=Z,16nm,0.6s			pmax	pmax	
TIV	comp=Z,240nm,7.7s			LR	LR	
TIV	comp=N,2um,13.5s			LR	LR	
TIV	comp=E,3um,15.4s			LR	LR	
TIV	comp=Z,1um,9.6s			LR	LR	
HNS	HongShan	19.55 32	iP	Pn	10 59 19.9	+0.8
HNS				pmax	pmax	
HNS	comp=Z,19nm,1.7s			LR	LR	
HNS	comp=N,2um,13.9s			LR	LR	
HNS	comp=E,2um,15.7s			LR	LR	
HNS	comp=Z,860nm,11.2s			LR	LR	
TGY	Tagaytay City	19.56 108	LR	LR	11 06 32.7	
SSE	Sheshan	19.59 57	P	P	10 59 22.3	+0.6
SSE			S	Pn	11 03 07.8	+0.6
SSE	comp=Z,10.0nm,0.7s			pmax	pmax	
SSE	comp=Z,51nm,4.6s			LR	LR	
SSE	comp=N,2um,11.5s			LR	LR	
SSE	comp=E,1um,11.4s			LR	LR	
TIA	Tai'an	19.98 39	P	Pn	10 59 24.4	+0.2
TIA				pmax	pmax	
TIA	comp=Z,13nm,1.1s			LR	LR	
TIA	comp=N,2um,16.4s			LR	LR	
TIA	comp=E,2um,17.5s			LR	LR	
TIA	comp=Z,1um,8.8s			LR	LR	
BTO	Baotou	20.47 18	eP	Pn	10 59 29.6	-0.4
BTO			S	P	10 59 33.6	+1.2
BTO			S	P	10 59 36.6	+5.6
BTO			S	Pn	10 59 51.0	+5.8
BTO			S	S	11 03 21.3	+0.4
BTO			S	S	11 03 25.9	+1.3
BTO			S	S	11 03 26.0	-5.1
BTO			S	S	11 03 35.5	+0.4
BTO	comp=Z,770nm,6.8s			pmax	pmax	
BTO	comp=N,3um,14.7s			LR	LR	
BTO	comp=E,5um,13.0s			LR	LR	
BTO	comp=Z,3um,15.4s			LR	LR	
BKNI	Bangkinang	20.86 182	P	P	10 59 33.9	+1.8
HHC	Hu-ho-hao-te	21.18 21	eP	P	10 59 37.4	+1.9
HHC			S	P	10 59 41.4	+1.4
HHC			S	P	10 59 44.8	+6.2
HHC			S	S	11 03 26.0	-5.1
HHC			S	S	11 03 35.5	+0.4
HHC	comp=Z,17nm,0.9s			pmax	pmax	
HHC	comp=Z,120nm,4.6s			LR	LR	
HHC	comp=N,1um,11.2s			LR	LR	
HHC	comp=E,510nm,15.1s			LR	LR	
HHC	comp=Z,910nm,13.7s			LR	LR	
SBUM	Sibu	21.30 150	P	P	10 59 37.8	+0.9
BJI	Beijing	22.34 30	S	P	10 59 48.3	+0.4
BJI			S	P	11 03 48.3	-5.2
BJI	comp=Z,4.0nm,1.4s			pmax	pmax	
BJI	comp=Z,68nm,3.8s			LR	LR	
BJI	comp=N,430nm,12.4s			LR	LR	
BJI	comp=E,350nm,14.3s			LR	LR	
BJI	comp=Z,450nm,14.7s			LR	LR	
PALK	Pallekele	24.71 239	LR	LR	11 09 55.7	

JOW	Kunigami	24.76 72	LR	LR	11 10 09.5	
WMQ	Urumqi	25.34 336	eP	Pmax	11 00 22.1	+5.1
WMQ	comp=Z,11nm,1.1s			LR	LR	
WMQ	comp=N,1um,14.5s			LR	LR	
WMQ	comp=E,1um,15.3s			LR	LR	
WMQ	comp=Z,200nm,14.7s			LR	LR	
XLT	XiLinHaoTe	25.47 24	eP	P	11 00 19.3	+1.1
XLT	comp=Z,7.0nm,1.3s			LR	LR	
XLT	comp=E,3um,15.1s			LR	LR	
XLT	comp=Z,1um,11.0s			LR	LR	
SONM	Songino Array	26.73 7	P	P	11 00 28.2	-1.4
SONM	comp=Z,2.3nm,0.7s,baz=189,slow=10,SNR=10			LR	LR	
ULN	Ulaanbaatar	26.84 8	P	P	11 00 31.4	+0.8
ULN	Ulaanbaatar	26.84 8	iP	Pmax	11 00 31.7	+1.0
ULN	comp=Z,8.0nm,1.1s			LR	LR	
DAV	Davao City (W)	26.98 118	LR	LR	11 10 57.9	
WUS	Wushi	27.55 321	IAMB	IAMB	11 01 05.3	
KSRS	Korea Array	27.74 49	LR	LR	11 12 52.6	
JNU	Nakatsue	28.31 59	LR	LR	11 13 03.4	
LEM	Lembang	28.53 158	LR	LR	11 12 22.9	
KSH	Kashi	28.59 315	P	P	11 00 47.8	+1.4
KSH			S	Pmax	11 00 55.3	+4.1
KSH	comp=Z,3.0nm,1.0s			LR	LR	
KSH	comp=Z,1um,15.5s			LR	LR	
KSH	comp=Z,500nm,10.4s			LR	LR	
ZAK	Zakamensk	29.05 2	eP	Pmax	11 00 50.8	+0.5
ZAK	comp=Z,4.0nm,1.4s			LR	LR	
KDJ	Kajisay	29.32 321	P	IAMB	11 00 54.9	+2.0
KNJ	Changchun	29.81 36	eP	S	11 00 54.8	-2.2
CN2			S	S	11 01 01.8	+0.1
CN2			S	LR	11 05 48.8	-4.9
CN2	comp=Z,490nm,11.0s			LR	LR	
CN2	comp=Z,570nm,11.0s			LR	LR	
MK31	Makanchi Array	29.97 333	P	P	11 00 59.6	+1.2
MK31	Makanchi Array	29.97 333	eP	P	11 00 59.8	+1.3
MKAR	Makanchi Array	29.97 333	P	P	11 00 59.4	+0.9
MKAR	comp=Z,3.6nm,0.6s,baz=142,slow=9,SNR=30			PcP	11 04 00.4	-0.4
MKAR	comp=Z,1.0nm,0.7s,baz=102,slow=6.1,SNR=3.0			LR	11 13 23.4	
MKAR	comp=Z,296nm,19.7s,baz=146,slow=37			LR	11 13 23.4	
MKAR	comp=Z,5.6nm,0.6s			LR	11 13 23.4	
BOOM	Boomskeye usch	30.27 320	IAMB	IAMB	11 01 07.7	
DGZ	Jazzator, Alta	30.55 342	eP	P	11 01 05.8	+2.1
DGZ	comp=Z,15nm,0.9s			pmax	pmax	
ARLS	Aral	30.91 318	P	P	11 01 08.9	+2.0
AAK	Ala-Archa	31.23 319	IAMB	IAMB	11 01 09.5	-0.2
AAK	Ala-Archa	31.23 319	P	P	11 01 16.1	
AAK	Ala-Archa	31.23 319	LR	LR	11 15 18.4	
AAK	Ala-Archa	31.23 319	eP	Pmax	11 01 11.8	+2.0
KAPI	Kappang	31.52 144	LR	LR	11 05 05.4	
KAPI	comp=Z,277nm,19.4s,baz=320,slow=39			LR	11 05 05.4	
KBL	Kabul	31.67 302	P	IAMB	11 01 14.1	+0.3
KBL			IAMB	IAMB	11 01 15.7	
BTK	Batken	32.33 312	IAMB	IAMB	11 01 21.8	
BTK	comp=Z,13nm,1.1s			LR	11 01 21.8	
ARK	Arkit	32.38 316	P	P	11 01 20.7	+0.9
CHGR	Chuyangaron	32.93 309	P	P	11 01 24.1	-0.6
SIMJ	Simigang	33.04 309	IAMB	IAMB	11 01 25.1	-0.5
SIMJ			IAMB	IAMB	11 01 29.3	
DZET	Dzherino	33.22 309	P	P	11 01 27.5	+0.2
USRK	Ussuriysk Arr	33.89 40	LR	LR	11 16 21.8	
USRK	comp=Z,19.2nm,19.2s,baz=76,slow=38			LR	11 16 21.8	
KURBB	Kurchatov Arr	34.13 334	P	P	11 01 37.5	-0.7
KURBB	comp=Z,1.6nm,1.1s,baz=150,slow=9.1,SNR=10			PcP	11 04 12.4	-0.6
KURBB	comp=Z,0.8nm,0.7s,baz=147,slow=3.2,SNR=4.5			PcP	11 04 12.4	-0.6
KURK	Kurchatov	34.55 334	P	P	11 01 38.3	-0.2
KURK	Kurchatov	34.55 334	iP	Pmax	11 01 39.1	+0.7
KURK			pmax	pmax		
MJAR	Matsushiro Arr	35.06 56	P	P	11 01 42.5	-0.7
MJAR	comp=Z,1.3nm,0.8s,baz=274,slow=6.5,SNR=5.3			LR	11 16 36.4	
MJAR	comp=Z,214nm,18.5s,baz=248,slow=37			LR	11 16 36.4	
ZAAO	Zalesovo Array	35.07 343	P	P	11 01 43.7	+0.7
ZAAO			IAMB	IAMB	11 01 44.7	
ZALV	Zalesovo Beam	35.07 343	P	P	11 01 43.4	+0.5
ZALV	comp=Z,6.0nm,0.9s,baz=151,slow=8.6,SNR=15			LR	11 17 48.8	
ZALV	comp=Z,277nm,18.4s,baz=156,slow=39			LR	11 17 48.8	
ZALV	comp=Z,6.0nm,0.9s			LR	11 17 48.8	
ZALV	Zalesovo Beam	35.07 343	iP	Pmax	11 01 43.7	+0.8
ZALV	comp=Z,5.0nm,0.8s			pmax	pmax	
KLR	Kul'dur	36.64 33	LR	LR	11 18 47.1	
KLR	comp=Z,415nm,18.1s,baz=230,slow=39			LR	11 18 47.1	
KLR	Kul'dur	36.64 33	iP	Pmax	11 01 56.4	0.0
KLR			pmax	pmax		
ZEA	Zeya	37.74 25	eP	MLR	11 02 06.3	+0.5
ZEA			MLR	MLR		
ZEA	comp=E,100nm,9.0s			LR	LR	
ZEA	comp=N,300nm,11.0s			LR	LR	
ZEA	comp=Z,300nm,14.0s			LR	LR	
BVAR	Borovoye Array	39.78 331	P	P	11 02 21.7	-1.3
BVAR	comp=Z,0.7nm,0.5s,baz=116,slow=10,SNR=2.4			pmax	pmax	
WSAR	Wadi Sarin	39.90 281	LR	LR	11 23 13.1	
WSAR	comp=Z,132nm,18.1s,baz=98,slow=43			LR	11 23 13.1	
ASAJ	Asahikawa	40.62 46	LR	LR	11 18 40.1	
ASAJ	comp=Z,221nm,18.5s,baz=244,slow=35			LR	11 18 40.1	
GUMG	Guam	41.68 93	LR	LR	11 17 58.7	
GUMG	comp=Z,139nm,20.9s,baz=318,slow=33			LR	11 17 58.7	
YSS	Yuzhno-Sakhal'ni	41.79 42	eP	P	11 02 40.4	+0.9
YSS			pmax	pmax		
YSS	comp=Z,10.0nm,1.1s			LR	LR	
ABKAR	Akbulak array	43.30 320	P	IAMB	11 02 52.4	+0.6
ABKAR			IAMB	IAMB	11 02 56.	

HEL 14 11:41:44.1-0.1,63.11N-27.74E,h0km,ML1.4, Suspected explosion,Finland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Nilsia, Sumiainen, Kongsaniemi, etc.

IDC 14 11:47:59.0-4.7,22.30N:143.02E,h155km,42km, mb3.5/16,mbtmp3.9/18, Error ellipse: s-maj=21.1km

ISC 14 11:47:59.0-4.6,22.30N:01:143:1E:0.2,h150km,n23, -0570/23,mb3.8/16, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Matsushiro Arr, Korea Array, WAKE ISLAND, etc.

IDC 14 11:48:33.0-0.5,1,42.46N:147.88E,h0km,mb3.5/4, mbtmp3.5/5,ML3.5/1,MS3.7/3, Error ellipse: s-maj=132.9km s-min=31.3km az=176.0

JMA 14 11:48:34.2-0.2,42.46N:147.88E,h22km,MV3.7/28,E OFF HOKKAIDO

SKHL 14 11:48:34.9-0.5,42.80N:148.30E,h57km,7km,mb4.7/3, ISC 14 11:48:35.4-1.7,42.78N:01:148:26E:0.10,h35km,n28, -18181/39,mb3.6/4,MS3.7/3,Off southeast coast of Hokkaido

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like SHO, Piro, JIME, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like SHO, NEM2, NMR, YUK, etc.

ISC 14 11:51:07.1-0.1,8.34N:45.67E,h25km,ML3.0 TEH 14 11:51:07.9,34.65N:45.59E,h19km

ISC 14 11:51:08.6-1.4,34.68N:0:07:45:55E:0.07,h18km,9km, n6,1540/7,Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like KGS1, GLG1, IDHR, etc.

IDC 14 11:53:49.7-1.5,55.29N:35.50W,h0km,mb3.4/6, mbtmp3.5/7,ML2.2/1,MS3.4/7, Error ellipse: s-maj=59.3km s-min=21.5km az=17.0

ISC 14 11:53:50.9-1.3,55.33N:0:35:56W:0.1,h10km,n13, -0543/8,mb3.4/6,MS3.5/3,Reykjanes Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like BORG, SFJD, SCHO, etc.

IDC 14 11:55:53.1-1.1,8.23N:84.33W,h9km,6km,MW4.4 UCR 14 11:55:55.9-1.5,8.17N:84.23W,h19km,23km,MD3.9, ML3.8,MW4.3

ISC 14 11:55:54.1-1.9,8.35N:0:06:84:15W:0.05,h2km,11km, n57,-1803/74,6C-3D,Off coast of Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like PIRO, JIME, EDAD, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like PTPM, DRKO, LPRC, etc.

IDC 14 11:57:25.9-17.0,6.83N:82.90W,h0km,mb3.2/3, mbtmp3.2/3,MS3.5/4, Error ellipse: s-maj=407.3km s-min=151.0km az=180.0

UPA 14 11:57:40.7-2.0,8.34N:84.21W,h10km,27km,MW4.6 ISC 14 11:57:39.5-2.3,8.30N:0:09:84:18W:0.06,h9km,13km, n127,-198/29,mb3.3/3,MS3.3/3,1C-5D,Off coast of Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like PTPM, MLR3, BRU2, etc.

BEO 14 11:58:56.5-0.6,40.23N:19.26E,h10km,ML3.1/3 PDG 14 11:58:57.0-0.4,40.31N:19.29E,h19km,1km,ML3.2/13, Error ellipse: s-maj=0.6km s-min=1.9km az=0.0

TIR 14 11:58:57.9,40.33N:19.49E,h25km,1km,MD3.3/3,ML3.8/8 THE 14 11:58:59.5,40.28N:19.29E,h16km,1km,ML3.1/3, Error ellipse: s-maj=1.5km s-min=0.6km az=242.0

ISC 14 11:58:58.3-1.1,40.31N:0:02:19:34E:0.03,h11km,7km, n95,-0597/136,9C-3D,Albania

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like VLO, SRN, KEK, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Accuracy, Elevation Accuracy, Station Type, and Status. Includes stations like F26K Sheenjek River, E24K Your Creek, F25K Christian River, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Accuracy, Elevation Accuracy, Station Type, and Status. Includes stations like I28M Milner Creek, F31M Tsigeitichic, F20K Avararat Lake, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Accuracy, Elevation Accuracy, Station Type, and Status. Includes stations like A36M Sachs Harbour, L29M Lisburne Hills, G17K Kiwialik Moun, etc.

ISK 14 14:24:09.5,37.93N-27.11E,h10km,ML2.7/18
AFAD 14 14:24:10.0,37.93N-27.13E,h7km,2km,MW3.0
THE 14 14:24:13.0,37.91N-26.91E,h0km,2km,ML2.6/4,Error
ellipse: s-maj=4.9km s-min=1.2km az=93.0

ISC 14 14:24:09.9-0.8,37.94N-0.02-27.16E:0.02,h14km,6km,
n44,c0568/69,Turkey

Table with columns: Code, Station Name, A° AZ', Phase ID, ISC, Time, Res, h m s ISC. Rows include stations like GCAM G?zelcaml?, GCMG Gumuldur, SMG Samos, etc.

SOME 14 14:30:43.8,40.32N-77.10E,h5km
NNC 14 14:30:45.0,1.3,40.38N-77.08E,h0km,mb3.6,mpv3.4,
Error ellipse: s-maj=8.9km s-min=6.7km az=174.0

KRNET 14 14:30:44.0,1,40.35N-77.12E,mb2.9
ISC 14 14:30:43.2-5,40.32N-10.7703E:0.04,h5km,17km,
n41,c1955/62,24C-SD,Kyrgyzstan-Xinjiang border
region

Table with columns: Code, Station Name, A° AZ', Phase ID, ISC, Time, Res, h m s ISC. Rows include stations like TARG Taragay, KYRGY, KDJ Kajisay, etc.

Main table with columns: TNSS, Station Name, A° AZ', Phase ID, ISC, Time, Res, h m s ISC. Rows include stations like Tian-Shan, KasteK, MDOK Medeo, etc.

AFAD 14 14:50:18.6,37.92N-27.12E,h7km,2km,MW3.0
ISK 14 14:50:18.4,37.95N-27.14E,h8km,ML2.8/20
ATH 14 14:50:18.0,37.89N-27.17E,h2km,6km,ML2.7/4,Error
ellipse: s-maj=7.9km s-min=1.6km az=247.0

THE 14 14:50:19.2,37.89N-27.17E,h0km,4km,ML2.6/4,Error
ellipse: s-maj=13.4km s-min=1.6km az=109.0

ISC 14 14:50:18.9-0.8,37.93N-0.02-27.16E:0.02,h13km,7km,
n50,c0564/76,Turkey

Table with columns: Code, Station Name, A° AZ', Phase ID, ISC, Time, Res, h m s ISC. Rows include stations like GCAM G?zelcaml?, GCMG Gumuldur, SMG Samos, etc.

Table with columns: AYDB, Station Name, A° AZ', Phase ID, ISC, Time, Res, h m s ISC. Rows include stations like Zeytinkoy-Aydi, AYDB Izmir, etc.

AFAD 14 14:56:01.1,37.94N-27.12E,h7km,3km,ML2.9
ISK 14 14:56:01.2,37.93N-27.10E,h10km,ML2.7/18
THE 14 14:56:03.8,37.88N-27.07E,h2km,3km,ML2.6/4,Error
ellipse: s-maj=7.6km s-min=1.0km az=113.0

ISC 14 14:56:01.8-0.9,37.95N-0.02-27.13E:0.03,h12km,7km,
n36,c0548/52,Turkey

Table with columns: Code, Station Name, A° AZ', Phase ID, ISC, Time, Res, h m s ISC. Rows include stations like GMLD Gumuldur, GCAM G?zelcaml?, SMG Samos, etc.

GUC 14 15:15:35.2-0.9,27.81S-69.26W,h32km,4km,ML2.8
SJA 14 15:15:38.1-0.6,28.03S-69.21W,h14km,ML2.0,MW2.4
ISC 14 15:15:31.4-1.2,27.81S-0.03S-69.14W:0.03,h12km,13km,
n19,c1950/30,Northern Chile

14d 15h

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like VCA Vinchina, AC04 Llanos de Chal, AGUA GUANDACOL, LCO Las Campanas, etc.

NEIC 14 15:20:40.3, 1.3, 61.42N, 0.03, 149.92W, 0.05, h40km, 6km, Error ellipse: s-maj=5.3km s-min=3.4km az=154.0

AEIC 14 15:20:41.0, 1.2, 61.39N, 0.04, 149.91W, 0.07, h39km, 5km, ML2.5, ML2.7/86(NEIC), Error ellipse: s-maj=6.1km s-min=3.9km az=148.0, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like FIS Fire Island, RC01 Rabbit Creek A, SUA Susitna One, etc.

2019 JAN

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like IVE Iliamna Volcan, TRF Thorofare Moun, RND Reindeer, etc.

SOME 14 15:34:10.1, 40.33N, 77.07E, h10km, KRNET 14 15:34:10.7, 40.39N, 77.07E, h20km, mb2.8

ISC 14 15:34:13.6, 1.4, 40.46N, 0.07, 77.07E, 0.04, h10km, n40, t=122/64, 18C-16D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like TARG Taragay, KJIS Kajsay, ULHL Ulahol, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like KPKS 17nm, 0.4s, KPKS Kokpek, etc.

NIED 14 15:53:52.2, 32.52N, 132.11E, h31km, MW4.0, Moment Tensor Solution, s3 Moment tensor: Scale 10^14Nm, Min=-9.37, Mxx2.68, Mxx6.68, Mxx0.06, Mxx-4.72, Mxx2.19;

JMA 14 15:53:52.2, 0.0, 32.52N, 0.2, 132.11E, 0.2, h31km, MD3.9/35, MW4.1/35, HYUGANADA REGION, JMA Feil Ji at HYUGANADA REGION

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like JSKE Saikikamae, JHHC Hyugachichiya, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like Matakaoa Point, Waiomatatini S, Te Kaha, Pakihiroa, Army Bay, Puketiti, Tauwharepara, Urewera, Carnagh Station, Rimuhau, Paritu Road, Kahuranaki, Pukenui, Takapari Road, Birch Farm, Mangatainoka R, Tintock, Holdsworth Sta, Maipa, Cannon Point.

IDC 14 17:38:32.0; 0.9, 54.93N; 164.57E, h0km, mb3.8/11, mbmp3.8/13, ML3.2/2, MCS 6/1, Error ellipse: s-maj=27.1km s-min=16.7km az=152.0

KRSC 14 17:38:32.3; 1.8, 54.81N; 164.47E, h63km, 29km, ML3.9

ISC 14 17:38:34.8; 2.4, 54.82N; 164.74E, 0.05, h23km, 18km, n46, c1560/62, mb3.7/11, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like Bering, Krutoberegovo, Semkarok, Bezymyannyi-Gr, Baidaraya, Kamenistaya, Kirishev, Krestovskiy, Kiyuchi, Kopyto, Kozyrevsk, Sredinnyy, Mys Shipunski, Nalytchevo, Esso, Avacha, Arik, Korayka, Dalny, Petropavlovsk, Ganaly, Karmyshinskiy, Russkaya, Petkovsk, Ossora, Mutnovka, Gorelyy, Apacha, Khodutka, Kamc, Asahikawa.

ILAR Eielson Array 25.63 48 P 17 44 02.4 +0.1

H11N2 WAKE ISLAND Hy 35.07 176 T 18 23 53.9

H11N3 WAKE ISLAND Hy 35.08 176 T 18 23 59.8

H11N1 WAKE ISLAND Hy 35.08 176 T 18 23 56.0

NR1K Noril'sk 36.10 324 LR 18 00 26.9

YKA Yellowknife Arr 40.01 45 P 17 46 07.8 +0.5

KURBB Kurchatov Arra 49.23 303 P 17 47 21.1 0.0

MKAR Makanchi Array 49.85 297 P 17 47 25.4 -0.5

BVAR Borovoye Array 51.44 310 P 17 47 37.9 +0.2

NOA NORSTAR Array B 62.60 346 P 17 48 55.1 -1.4

HFS Hagfors 63.09 344 P 17 48 59.1 -0.7

TXAR Lajlas Array 67.45 71 P 17 49 30.4 +1.8

WRA Warramunga Arr 78.87 209 P 17 50 36.3 +0.4

ASAR Alice Springs 82.52 208 P 17 50 56.5 +1.1

ESDC Sonseca Array 85.38 351 P 17 51 11.1 +1.1

BEO 14 17:40:06.8; 1.1, 38.62N; 20.35E, h10km, ML3.0/2

THE 14 17:40:10.4; 38.96N; 20.66E, h17km, ML3.1/7, Error ellipse: s-maj=1.0km s-min=0.4km az=248.0

ATH 14 17:40:10.4; 38.94N; 20.65E, h19km, 2km, ML3.1/20, Error ellipse: s-maj=2.4km s-min=0.7km az=227.0

IDC 14 17:40:18.1; 17.0, 39.76N; 21.98E, h0km, mb3.7/5, mbmp3.7/5, Error ellipse: s-maj=331.1km s-min=49.0km az=40.0

ISC 14 17:40:09.9; 1.0, 38.94N; 0.02; 20.68E; 0.02, h12km, 8km, n62, c098/88, mb3.9/5, Greece

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like Tsoukalades, L.

Main table with columns: TSLK, S, Sb, Time, Residual. Includes stations like Tsoukalades, L, Lefkada island, Nydri-Lefkada, Dragano-Lefkada, Fiskardo, Tetrakomo, Epi, Igoumenitsa, Lefkimi, Janina, Valsamata, Ratazaki, Kefa, Evrytania, Ano Chora, Kerkira, Riols of Patr, Riols of Patr, Epialio, Epialio, Makrakoviti, Fth, Kiproio, Klokotos Trika, Kalithea, Drossia, Pentaschos, Kalyvros, Ach, Nestorio, Artemida-Makis, Goura, Florina, Neokhori, Thomi, Ohrid, Valandovo, Serrat, Barje.

Table with columns: SELS, SJES, ZAPS, IVAS, GRUS, FINES, ARCES, KURBB, MKAR, ZALV. Includes stations like Selova, Sjenica, Zavoje, Ivanjica, Gruza, FINES Array B, ARCES Array B, Kurchatov Arra, Makanchi Array, Zalesovo Beam.

OSPL 14 17:49:59.4; 1.7, 18.65N; 74.39W, h204km, 27km, ML3.0

SSNC 14 17:50:05.2; 3.0, 18.59N; 73.97W, h0km, 23km, MD3.5, ML2.7

SDD 14 17:50:07.8; 1.9, 18.50N; 74.09W, h48km, 281km, MD3.1, ML2.8, MW3.2

ISC 14 17:50:03.2; 1.9, 18.63N; 0.08; 74.11W; 0.05, h6km, 13km, n17, c1500/29, Haiti region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like Masc, Guantanamo Bay, Quimbuolo, Port-au-Prince, Nuevo Mundo, Jimani, Moac, Moa, Santiago de Cu, Bahia de las A, El Aguacate, B, El Espartillar, El Cajuli, Ovi, Hato Mayor del.

WEL 14 17:53:08.6; 0.7, 45.5E; 16.7E, h45km, 8km, M3.3/7, ML3.5/9, MLV3.3/7, Error ellipse: s-maj=8.6km s-min=4.2km az=125.7, South Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like Deep Cove, Mavora Lakes, Milford Sound, Mossburn School, Wether Hill Ro, Rarakau, Queenstown Pol, Puysegur Point, Orepike, Wanaka, Earnsclough, Jackson Bay, Neils Beach, The Pass, Tuapeka, Scrubby Hill, Lake Benmore, Otaua Downs, Highcliff Hill, Timaru, Gaunt Creek Bo, Arundel, Rata Peaks, Wataha Valley, Wakatapu South, Incheon, McQueenie, Incheon's Vall.

IDC 14 18:17:57.0; 7.7, 34.14N; 145.58E, h0km, mb4.0/20, mbmp4.1/31, ML3.9/7, MCS 4/16, Error ellipse: s-maj=13.9km s-min=10.9km az=164.0

ISN 14 18:17:58.4; 0.7, 34.10N; 145.52E, h7km, 4km, ML4.5

QII 14 18:17:59.9; 0.0, 33.93N; 145.51E, h0km, confirmed

TEH 14 18:17:59.1; 34.11N; 145.62E, h1km, 2km, NEIC 14 18:17:59.1; 34.11N; 145.62E, h1km, 2km, mb4.3/23, Error ellipse: s-maj=9.4km s-min=7.0km az=58.0

AFAD 14 18:18:05.0; 34.18N; 145.29E, h36km, MW4.6

OMAN 14 18:18:05.3; 0.3, 33.52N; 146.18E, h20km, 4km, mb4.6/31,

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like ESDC Sonseca Array, GTA Gaotai, TORD Torodi Ar, SPA0 Spitsbergen Ar, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like PAU Pauzhetka, PAU Pauzhetka, KIWB Kanagata Island, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like MAJO Matsushiro, MAJO Matsushiro, MJAR Matsushiro Arr, etc.

IDC 14 18:19:39.6.0.6.54.29N:169.28E, h0km, mb4.1/28, mbmp4.1/30, ML4.2/2, MS3.5/12, Error ellipse: s-maj=16.6km s-min=11.4km az=169.0

NEIC 14 18:19:41.0.1.7.54.2N:0.1:169.11E:0.06, h10km, 1km, mb4.4/54, Error ellipse: s-maj=21.1km s-min=3.9km az=169.0

MOS 14 18:19:42.9.0.1.0.54.19N:169.15E, h36km, mb4.5/12, Error ellipse: s-maj=6.8km s-min=5.5km az=42.1

KRSC 14 18:19:42.8.2.1.53.92N:168.69E, h26km, mb4.8km, ML4.6

ISC 14 18:19:42.9.0.5.54.09N:0.06:169.22E:0.04, h25km, n199, r151/202, mb4.3/57, MS3.5/10, 10C-9D, Komardorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, and other technical parameters. Lists various stations like BKI Bering, SHEM Shemya Is, Alia, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like KADK Kodiak Island, KADK Kodiak Island, KADK Kodiak Island, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like MAJO Matsushiro, MAJO Matsushiro, MAJO Matsushiro, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Donlin, M18K, HYT, O3ON, N32M, WRGLY, R33M, Q32M, DLBC, YKA, YKA, RES, RES, BILL, FFC, B08A, B08A, LTY, LON, LON, E08A, MA2, BPMT, FRB, LOHW, LOHW, PD31, PD31, PDAR, PDAR, NVAR, ECSD, NR1K, SDCO, ARCES, TXAR, FINES, HFS, ZALV, MJAR, SONM, EKA, BVAR, KURBB, MKAR, AKASO, ESDC, CMAR.

IDC 14 18:52:18.5:1.5, 25.66N:143.09E, h0km, mb3.9/11, mbmp3.9/11, Error ellipse: s-maj=57.5km s-min=20.4km az=79.0

ISC 14 18:52:24.4:1.6, 25.7N:102.143E:0.4, h40km, n12, o#86/12, mb4.0/12, Volcano Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SONM, CMAR, WRA, ASAR, MKAR, BVAR, KBZ, FINES, AKASO, HFS, NOA.

IDC 14 19:00:05.2:0.8, 61.25N:150.73W, h0km, mb4.1/12, mbmp4.0/15, ML3.6/3, MS3.4/2, Error ellipse: s-maj=19.2km s-min=13.4km az=128.0

NEIC 14 19:00:13.6:1.0, 61.45N:103.149W:0.06, h42km, 5km, Error ellipse: s-maj=4.9km s-min=3.0km az=135.0

AEIC 14 19:00:14.3:0.9, 61.42N:103.149W:0.05, h39km, 4km, ML3.7, ML3.9/181(NEIC), Error ellipse: s-maj=4.6km s-min=2.7km az=145.0

ISC 14 19:00:12.8:0.8, 61.144N:103.149W:0.02, h43km, 6km, n294, o#31/287, mb4.2/13, Southern Alaska

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes station M22K Willow.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like M22K Willow, FIS Fire Island, RC01 Rabbit Creek A, PMR Palmer, GHO Glory Hole Cre, GHO GHO, KNO Knik Glacier, SML Sawmill, CAPN Captain Cook N, CAPN Captain Cook N, STLK Strandline Lak, STLK STLK, SLKM Skliak Lake, SKT Skwentna, SKT Skwentna, PWL Port Wells, PWL Port Wells, O22K Cooper Landing, O22K Cooper Landing, CUT China, CUT Chulitna, SPCG Spurr Capps G, SPU Mount Spurr, M23K Glacier View, M23K Glacier View, M23K Sheep Creek Mo, SCM Sheep Creek Mo, SCM Sheep Creek Mo, SEW Seward, SEW Seward, GLI Glacier Island, GLI Glacier Island, M20K Styx River, M20K Styx River, M20K Styx River, M20K Bradley Lake, BRLK Bradley Lake, BRLK Bradley Lake, BRSE Bradley Lake S, FID Port Fidalgo, FID Port Fidalgo, PPLA Purkeypille, PPLA Purkeypille, M24K Tolsona, M24K Tolsona, P23K Montague Isian, P23K Montague Isian, KLU Klutina, KLU Klutina, O20K Slope Mountain, HIN Hinchinbrook I, HIN Hinchinbrook I, HOM Homer, HOM Homer, DIV Divide, TRF Thorofore Moun, TRF Thorofore Moun, CNPM China Poot, CNPM China Poot, RND Reindeer, RND Reindeer, RND Reindeer, L20K Farewell, AK, L20K Farewell, AK, ILSW Iliamna Southw.

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ILSW, KTH Kantishna Hill, KTH Kantishna Hill, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, CAST Castle Rocks, CAST Castle Rocks, N19K Bonanza Creek, N19K Bonanza Creek, MCK McKinley, MCK McKinley, P19K Oil Pt, P19K Oil Pt, HARP HAARP, L19K White Mountain, L19K White Mountain, O19K Port Aisworth, O19K Port Aisworth, N25K Chitina, N25K Chitina, N25K Chitina, PAX Paxson, PAX Paxson, BMRM Bremner River, BMRM Bremner River, GOAT Goat Mountain, CHUM Lake Minchum, CHUM Lake Minchum, BPAW Bear Paw Mtn, BPAW Bear Paw Mtn, K20K Telida, K20K Telida, K20K Telida, BWN BWN, BWN BWN, RAGM Ragged Mountai, M18K Stony River, M18K Stony River, GLB Gilahina Butte, GLB Gilahina Butte, N18K Kilae Creek, N18K Kilae Creek, O18K Koktuh Hills, O18K Koktuh Hills, O18K Koktuh Hills, KAIM Kayak Island, KAIM Kayak Island, KAIM Kayak Island, SYI Shuyak Island, SYI Shuyak Island, Q20K Shuyak Island, VRDI Verde Repeater, VRDI Verde Repeater, O19K Cape Douglas, O19K Cape Douglas, WRH Wood River Hill, WRH Wood River Hill, NEA2 Nenana, NEA2 Nenana, BERG Berg Lake, TTA Talatina, MENT Mentasta, HDA Harding Lake, HDA Harding Lake, RIDG Granite Mounta, RIDG Granite Mounta, L18K Granite Mounta, L18K Granite Mounta, P18K Big Mountain, CCB Clear Creek Bu, CCB Clear Creek Bu, J20K Nowita River, J20K Nowita River, J20K Nowita River, J20K Nowita River, M26K Nabesna, AK, M26K Nabesna, AK, L26K Log Cabin Wild, L26K Log Cabin Wild, L26K Log Cabin Wild, COLA College, COLA College, IL31 Eielson Array, ILAR Eielson Array, ILAR Eielson Array, IL03 Eielson Array, M17K Holitna River, M17K Holitna River, M17K Holitna River, M17K Holitna River, N17K Nushagak Hills, N17K Nushagak Hills, N17K Nushagak Hills, N17K Nushagak Hills, J19K Poorman, J19K Poorman, J19K Poorman, J19K Poorman.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like J19K Poorman, SNH Sunshine Point, SCRK Sand Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YUK6 Outpost Mounta, G19K Purcell Mounta, H17K Granite Mounta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRU2 Volcan, BRU2 Petroterminale, DRKO Durika, etc.

DJA 14 19:03:45.3-0.3, 0.3 S, 12.5E, h162km, M3.9/12, mb4.1/3, MLV3.8/12, Southern Moloka Sea

AEIC 14 19:29:39.0-0.7, 69.64N-0.05:145.1W-0.1, h19km, 6km, ML3.0, ML3.1/84(NEIC), Error ellipse: s-maj=8.1km

14d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Coleen River, Sheehy Creek, Christian Rive, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like mblmp4, NEIC 14, ISC 14, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SMIR Smir Dam, EBEB Berja, EGOR Sierra Gorda, etc.

VAO 14 21:16:25.1±1.4; 14:39S;72.41W, h85km, 9km, mb4.1, NEIC 14 21:16:26.4±1.6, 15.0S;0.1x72.59W;0.10, h122km, 21km, mb4.0/4, Error ellipse: s-maj=18.5km s-min=9.4km az=219.0

IDC 14 21:16:29.0±1.4, 14.55S;72.17W, h119km, 16km, mb3.6/2, mbmp4.2/5, Error ellipse: s-maj=43.7km s-min=11.6km az=28.0

ISC 14 21:16:27.5±0.8, 14.86S;0.09;72.33W;0.08, h114km, n35, e1535/36, Central Peru

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time Res, h m s ISC. Lists various stations like PB18, AP01, PB12, LPAZ, etc.

IDC 14 21:23:29.6±0.8, 2.65N;127.12E, h0km, mb3.9/11, mbmp3.9/11, MS3.0/2, Error ellipse: s-maj=46.1km s-min=14.9km az=74.0

DJA 14 21:23:34.7±0.3, 2.4N;4.12E, h10km, M4.2/10, mb4.4/1, MLV4.0/10

NEIC 14 21:23:35.0±1.5, 2.41N;0.06x126.78E;0.04, h336km, 2km, mb4.2/17, Error ellipse: s-maj=11.6km s-min=3.0km az=149.0

ISC 14 21:23:36.7±0.6, 2.40N;0.07;126.7E;0.1, h55km, n40, e1540/37, mb4.1/18, Northern Molucca Sea

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time Res, h m s ISC. Lists various stations like SGSI, TINTI, KMSI, etc.

RSNC 14 21:23:43.8±0.0, 13N;2.8x81W±1, h13km, 6km, M2.9, mb3.6, ML2.9, Caribbean Sea

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time Res, h m s ISC. Lists stations like PRVC, SAIC, SERC, etc.

SJA 14 21:28:53.5±1.8, 33.00S;70.92W, h81km, 6km, ML3.2, MW3.4

GUC 14 21:28:55.0±0.9, 32.99S;70.92W, h83km, 2km, ML3.7

ISC 14 21:28:55.0±1.3, 32.99S;0.03;70.91W;0.03, h79km, 6km, n61, e999/93, 2C-4D, Chile-Argentina border region

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time Res, h m s ISC. Lists stations like ROCH, EI Roble, PEL, etc.

ISC 14 21:29:02.0±0.8, 2.65N;127.12E, h0km, mb3.9/11, mbmp3.9/11, MS3.0/2, Error ellipse: s-maj=46.1km s-min=14.9km az=74.0

DJA 14 21:23:34.7±0.3, 2.4N;4.12E, h10km, M4.2/10, mb4.4/1, MLV4.0/10

NEIC 14 21:23:35.0±1.5, 2.41N;0.06x126.78E;0.04, h336km, 2km, mb4.2/17, Error ellipse: s-maj=11.6km s-min=3.0km az=149.0

ISC 14 21:23:36.7±0.6, 2.40N;0.07;126.7E;0.1, h55km, n40, e1540/37, mb4.1/18, Northern Molucca Sea

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time Res, h m s ISC. Lists various stations like FCH, VA01, MT15, etc.

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time Res, h m s ISC. Lists stations like BO02, CO03, GO05, etc.

ISC 14 21:29:02.0±0.8, 2.65N;127.12E, h0km, mb3.9/11, mbmp3.9/11, MS3.0/2, Error ellipse: s-maj=46.1km s-min=14.9km az=74.0

DJA 14 21:23:34.7±0.3, 2.4N;4.12E, h10km, M4.2/10, mb4.4/1, MLV4.0/10

NEIC 14 21:23:35.0±1.5, 2.41N;0.06x126.78E;0.04, h336km, 2km, mb4.2/17, Error ellipse: s-maj=11.6km s-min=3.0km az=149.0

ISC 14 21:23:36.7±0.6, 2.40N;0.07;126.7E;0.1, h55km, n40, e1540/37, mb4.1/18, Northern Molucca Sea

ISC 14 21:37:48.0±0.5, 51.47N;0.08;176.76W;0.04, h48km, n368, e1943/367, mb4.5/38, Andreevan Islands

ISC 14 21:37:48.0±0.5, 51.47N;0.08;176.76W;0.04, h48km, n368, e1943/367, mb4.5/38, Andreevan Islands

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time Res, h m s ISC. Lists various stations like KIMD, ADK, KIWV, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NEW Newport, E09A Wood Farm, BMO Blue Mountains, MSO Missoula, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, ZALV Zalevovo Beam, TORD Torodi Arr, etc.

DNK 14 22:15:16.9, 2.8, 73.52N, 53.60W, h0km, ML1.4, Presumed Glacial event, Western Kalaallit Nunaat

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like UPNV Upenovik, KULLO Kullorsuaq, etc.

IDC 14 22:27:00.0, 1.0, 48.23N, 78.37W, h0km, mb2.8/1, mbmp3.4/4, ML2.4/3, Error ellipse: s-maj=13.1km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VALD Val d'Or, KIPQ Kipawa, MALO McAlpine Lake, etc.

OTT 14 22:27:01.7, 0.1, 48.25N, 78.44W, h3km, MN3.4/13 OTT Mining related event, Laronde Mine, CqC Mining located northwest from Malartic, CqC Mining industry

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SUBO Sudbury, PEMO Pembroke, KAPO Kapuskasing, etc.

ISC 14 22:26:58.0, 0.8, 48.33N, 78.33W, h0km, n17, s164.31, Southern Quebec

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BUKO Buck Lake, KLBO Killbear Provi, GAC Glen Almond, etc.

IDC 14 22:28:14.2, 3.7, 11.29S, 167.55E, h0km, mb3.8/6, mbmp3.8/6, MS3.6/5, Error ellipse: s-maj=125.2km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SCHO Schefferville, SCHQ, ULM Lac du Bonnet, etc.

ISC 14 22:28:19.6, 3.4, 1.13S, 0.6, 167.5E, 0.6, h35km, n10, s080.6, mb3.7, MS3.5/4, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, PMG Port Moresby, CTA Charters Tower, etc.

IDC 14 22:28:14.6, 0.9, 54.86N, 164.84E, h0km, mb3.8/18, mbmp3.8/19, ML2.7/1, MS3.4/3, Error ellipse: s-maj=24.5km

ellipse: s-maj=7.4km s-min=6.9km az=107.9

ISC 14 22:28:19.5, 0.6, 54.88N, 0.05, 164.77E, 0.04, h34km, n84, s142.9/0, mb4.0/21, 3C-SD, Komandorski Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, KBG Krutoberegovo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BZGR Bezymyanni-Gr, BZWR Bezymyanni-We, KMNR Kamenistaya, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KRKR Krestovskiy, KRKR Krestovskiy, KRKR Krestovskiy, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VLDV Val d'Or, KIPQ Kipawa, MALO McAlpine Lake, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GNL Ganaly, KMRM Karmyshinskiy, OSSR Ossora, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SUBO Sudbury, PEMO Pembroke, KAPO Kapuskasing, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BUKO Buck Lake, KLBO Killbear Provi, GAC Glen Almond, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SCHO Schefferville, SCHQ, ULM Lac du Bonnet, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, PMG Port Moresby, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, BRVK Borovoye, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like AKTO Aktyubinsk, FINES FINESS Array, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, NOA Norsars Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TXAR Torodi Arr, AKAS Malin Array, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ESDC Sonseca Array, etc.

GCG 14 22:35:03.2, 2.7, 16.32N, 95.59W, h31km, 999km, MD4.9, Hypocentre not reviewed by the ISC

Table with columns: Country, Name, Time, and other details. Includes entries for KHC, MORH, VOGT, STU, etc.

Table with columns: Country, Name, Time, and other details. Includes entries for VYH, VYHS, VYHS, etc.

Table with columns: Country, Name, Time, and other details. Includes entries for KEK, KERK, CAF, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like WOL, ROSE, RNP5, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like ANTO, PCAS, MTSE, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like MAK, Makhachkala, SEKA, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NIL Niore, WUS Wushi, WMO Urumqi, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WMOK Wichita Mountain, AHID Auburn Hatcher Divide, KRSR Korea Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SLA San Lorenzo, AZAP Zapla, YJA Yavi, etc.

IDC 14 23:59:48.6, 0.5, 1.66N, 98.98E, h0km, mb4.4/24, m1mp4.4/28, ML4.5/2, MS4.2/59, Error ellipse: s-maj=16.5km s-min=9.6km az=77.0

Sumatera
Code Station Name Azimuth Phase ID Time Res
MNSI Mandailing Nat 1.04 153 Op P 00 00 12.2 -0.8

Code Station Name Azimuth Phase ID Time Res
GSI Gunungsitoli 1.58 255 Pn P 00 00 20.2 -0.3

Code Station Name Azimuth Phase ID Time Res
PHRA Phrae 16.71 4 P P 00 03 48.0 -0.8

Code Station Name Azimuth Phase ID Time Res
PHRA Phrae 16.71 4 P P 00 03 48.0 -0.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OPO Ambohitratompo, AKTO Aktyuak, QSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WBT Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRPR Cabo Rojo, ANBP Cabo Rojo, CRBP Bethesda, etc.

IDC 15 01:01:33.1+0.6,34.405:55:29E,h0km,mb4.1/17, mbmp4.1/18,ML4.3/1,MS3.8/19,Error ellipse: s-maj=20.4km s-min=16.3km az=65.0

ABKAR Akbulak Arr 83.29 3 P P 01 14 03.5 +1.1
ABKAR Akbulak Arr 83.29 3 P P 01 14 07.0 +0.5
MKAR Makanchi Arr 84.38 18 P P 01 14 07.4 -0.6

IDC 15 01:01:35.9+0.5,34:28S:0:09.54:94E:0:09,h10km,n81,
o154/59,mb4.5/31,MS3.9/19,3C, Southwest Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FOMA Nahampoana Res, H04N1 CROZET ISLANDS, H04N2 CROZET ISLANDS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VSL Villasalto, VSK Kurabo, MDT Midelt, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DMLN Damouliana-K, FSK Fiskardo, FSK Fiskardo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AIS Amsterdam Isla, POGA Pongola, SOE Somerset East, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, YKA Yelkouin Ar, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EVGI Lefkada island, EVGI Lefkada island, DRAG Dragano-Lefkad, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBTB Lobatez, LBTH Lobatez, SUR Sutherland, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NEIC 15 01:03:42.1+4.19:46N:0:09.64:5W:0.1,h35km,2km, ML2.8/22,MD3.8/10(RSPR),Error ellipse: s-maj=17.0km s-min=15.2km az=101.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HUMP Col San Antoni, HUMP Col San Antoni, HUMP Col San Antoni, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NEIC 15 01:03:43.6,18:82N:64:53W,h142km,4km,MD3.8/10 RSPR 15 01:03:49.2+2.3,19:22N:02:64:81W:0:08,h81km,44km, n51,o156/450,6C-7D, Virgin Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HUMP Col San Antoni, HUMP Col San Antoni, HUMP Col San Antoni, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PHRA Phrae, ASAR Alice Springs, TORO Torodi Ar. Bea, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AGPR Aguadilla, PR, GBPR Guánica, Bosqu, GBPR Guánica, Bosqu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, etc.

15d 1h

Table with columns for name, comp, AML, AML, and numerical values. Includes entries like KALE, KEK, KLV, KVR, etc.

2019 JAN

Table with columns for name, comp, eSn, Sn, and numerical values. Includes entries like IVAS, WDD, ZEDA, RUDO, etc.

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Table with columns for name, comp, eSn, Sn, and numerical values. Includes entries like WATA, SQT, FUORN, FETA, etc.

15d 1h

2019 JAN

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like Kalavryta, Larissa, Agios Charalambos, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like Anoyia, ZEDA, BUHA, PAOLA, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like VYHS, VYHS, VYHS, etc.

15d 1h

Table with columns for station name, frequency, power, and other technical details. Includes stations like WSAR Wadi Sarin, HQC Hoqain, SOHO SOHO, ASHO Ashiyah, UOSS Minazif, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ZALV, SRO Srobarova, GTA Gatolai, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like HO1W1 Cape Leeuwin H, MJAR Matsushiro Arr, FITZ Fitzroy Crossi, etc.

Text containing technical notes and error messages for various stations, such as 'IDC 15:01:58.48:3.0:5.96S:146.82E,h0km,mb4.6/18, mbmp4.6/22,ML4.4/3,MS4.2/28, Error ellipse: s-maj=22.6km s-min=10.4km az=82.0'.

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Residual. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ASAR Alice Springs, INKA Innaminka, SOEI Soe, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MLZ comp=Z,69nm,1.2s, BFZ Birch Farm, QIZ Qizhongzong, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PPT Papeete, PPT2 Papeete2, TBI Tubuai, etc.

15d 1h

NIL	Nilore	79.67	306	P	I	Amb	02 10 57.9	-1.5
NIL	comp=Z,21nm,0.9s						02 10 59.5	
NIL	Nilore	79.67	306	P	p	max	02 10 57.9	-1.5
M17K	Hofitna River	79.78	24	P	P		02 11 00.4	+1.0
L17K	Donlin	79.85	23	P	P		02 11 00.4	+0.7
H16K	Elim	79.90	20	P	P		02 11 00.4	+0.5
I17K	Unalakleet	79.98	21	P	P		02 11 01.1	+0.7
BOOM	Boomsboye usch	80.05	315	P	P		02 11 00.2	-1.3
BOOM	Boomsboye usch	80.05	315	P	P		02 11 00.2	-1.3
K17K	Iditarod	80.18	23	P	P		02 11 02.2	+0.8
J17K	VABM Dome	80.27	22	P	P		02 11 02.8	+0.8
G16K	Koyuk River	80.33	19	P	P		02 11 02.6	+0.4
M18K	Stony River	80.48	24	P	P		02 11 03.4	+0.3
L18K	Granite Mounta	80.53	23	P	P		02 11 03.7	+0.3
Q20K	Shuyak Island	80.53	28	P	P		02 11 03.5	0.0
P19K	Oil Pt	80.66	26	P	P		02 11 03.9	-0.3
N19K	Bonanza Creek	80.69	25	P	P		02 11 04.1	-0.3
H17K	Granite Mounta	80.88	20	P	P		02 11 05.5	+0.3
G17K	Kiwalik Mounta	80.96	20	P	P		02 11 06.3	+0.7
KURK	Kurchatov	81.02	323	P	P		02 11 04.8	-1.4
KURK	Kurchatov	81.02	323	P	p	max	02 11 05.1	-1.1
KURB	Kurchatov Arra	81.04	323	P	P		02 11 04.6	-1.7
AAK	Ala-Archa	81.12	315	P	LR	LR	02 11 05.8	-1.4
AAK	Ala-Archa	81.12	315	P	LR	LR	02 50 42.9	
AAK	Ala-Archa	81.12	315	P	p	max	02 11 06.6	-0.6
TTA	Tatalina	81.17	23	P	P		02 11 06.6	-0.3
J18K	Innoko River	81.19	22	P	P		02 11 06.6	-0.3
L19K	White Mountain	81.24	24	P	I	Amb	02 11 07.8	+0.6
L19K	White Mountain	81.24	24	P	I	Amb	02 11 10.5	
L19K	White Mountain	81.24	24	P	P		02 11 07.7	+0.4
C16K	Lisburne Hills	81.29	16	P	P		02 11 07.4	+0.2
F17K	Baldwin Pennin	81.33	19	P	P		02 11 07.7	+0.1
H18K	Honhosa River	81.54	20	P	P		02 11 08.3	-0.4
E17K	Hotham Inlet	81.55	18	P	P		02 11 09.1	+0.3
D17K	Noatak River	81.56	17	P	P		02 11 09.0	+0.3
L20K	Farewell, AK	81.78	24	P	P		02 11 10.2	+0.1
M20K	Styx River	81.79	25	P	I	Amb	02 11 10.2	-0.1
M20K	Styx River	81.79	25	P	I	Amb	02 11 10.8	
M20K	Styx River	81.79	25	P	P		02 11 10.0	-0.2
GC5A	Galena City Sc	81.83	21	P	P		02 11 10.2	0.0
RDSA	Red Dog Mine	81.83	17	P	P		02 11 10.0	-0.3
ARSB	Arslanbob	81.84	313	P	P		02 11 10.1	-0.9
ARSB	Arslanbob	81.84	313	P	p	max	02 11 10.1	-0.9
G18K	Tagagawik	81.86	20	P	P		02 11 10.0	-0.4
F19K	Pooman	81.89	22	P	P		02 11 10.6	0.0
F18K	Selawik	81.94	19	P	P		02 11 10.0	-0.8
C17K	DeLong Mountai	82.03	17	P	P		02 11 11.1	-0.2
E18K	Tukpahleark C	82.13	18	P	P		02 11 11.9	+0.1
K20K	Telida	82.15	23	P	P		02 11 12.1	+0.1
H19K	Roundabout Mou	82.41	21	P	P		02 11 13.7	+0.5
H19K	Roundabout Mou	82.41	21	P	P		02 11 13.3	+0.1
G19K	Purcell Mounta	82.53	20	P	I	Amb	02 11 13.8	-0.1
G19K	Purcell Mounta	82.53	20	P	I	Amb	02 11 15.0	
G19K	Purcell Mounta	82.53	20	P	P		02 11 14.2	+0.3
J20K	Novinta River	82.54	22	P	P		02 11 14.1	+0.1
SUA	Susitna One	82.59	25	P	P		02 11 13.1	-1.3
PPLA	Purkeypyle	82.67	24	P	P		02 11 13.7	-1.1
F19K	Shaleruckik Mo	82.69	19	P	I	Amb	02 11 13.9	-0.8
F19K	Shaleruckik Mo	82.69	19	P	I	Amb	02 11 15.1	
F19K	Shaleruckik Mo	82.69	19	P	P		02 11 14.2	-0.5
C18K	Utukok River	82.70	17	P	P		02 11 14.1	-0.7
I20K	Naagheedeneel	82.73	22	P	P		02 11 15.1	+0.2
RC01	Rabbit Creek A	82.86	26	P	P		02 11 15.0	-0.8
H20K	Anotleneega Mo	82.95	21	P	P		02 11 15.7	-0.4
CAST	Castle Rocks	82.96	23	P	P		02 11 14.9	-1.3
B18K	Kokolik River	82.97	16	P	P		02 11 15.8	-0.4
M22K	Willow	82.99	25	P	P		02 11 15.4	-0.9
CHUM	Lake Minchumin	83.09	23	P	P		02 11 15.9	-0.9
E19K	Redstone River	83.22	19	P	I	Amb	02 11 17.4	-0.1
E19K	Redstone River	83.22	19	P	I	Amb	02 11 18.3	
E19K	Redstone River	83.22	19	P	P		02 11 17.2	-0.2
CUT	Chullina	83.22	25	P	P		02 11 16.9	-0.6
GAR	Garm	83.25	310	P	P		02 11 17.1	-1.2
KBL	Kabl	83.27	306	P	I	Amb	02 11 16.8	-1.9
KBL	Kabl	83.27	306	P	I	Amb	02 13 32.1	
KBL	Kabl	83.27	306	P	p	max	02 11 16.8	-1.9
PWR	Palmer	83.34	26	P	P		02 11 17.0	-1.2
PML	Port Wells	83.38	27	P	P		02 11 17.6	-0.8
P23K	Montague Islan	83.44	28	P	P		02 11 18.1	-0.7
F20K	Avaraart Lake	83.48	19	P	P		02 11 18.6	-0.1
F20K	Avaraart Lake	83.48	19	P	P		02 11 18.8	0.0
D19K	Kuna River	83.53	18	P	P		02 11 18.8	-0.3
KNK	Knik Glacier	83.56	26	P	P		02 11 18.6	-0.7
TRF	Thorofare Moun	83.69	24	P	P		02 11 19.6	-0.5
A19K	Wainwright	83.69	16	P	P		02 11 20.0	+0.2
BPBW	Bear Paw Mtn.	83.71	23	P	P		02 11 19.8	-0.3
H21K	Melozitna Rive	83.78	21	P	P		02 11 20.1	-0.3

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SML	Sawmill	83.78	26	P	P		02 11 19.7	-0.9
I21K	Tanana	83.84	22	P	P		02 11 20.4	-0.3
GLI	Glacier Island	83.94	27	P	P		02 11 20.5	-0.8
G21K	Allakaket	83.96	20	P	I	Amb	02 11 21.2	-0.1
G21K	Allakaket	83.96	20	P	I	Amb	02 11 21.9	
G21K	Allakaket	83.96	20	P	P		02 11 20.9	-0.4
QSPA	South Pole Qui	83.97	180	P	P		02 11 19.7	-1.9
E20K	Nigu River	83.99	18	P	P		02 11 21.6	+0.1
M23K	Glacier View	84.04	26	P	P		02 11 21.0	-0.8
CHGR	Chuyangaron	84.05	310	P	P		02 11 21.3	-1.2
CHGR	Chuyangaron	84.05	310	P	p	max	02 11 21.3	-1.2
KKAR	Karatay Array	84.06	314	P	P		02 11 20.7	-1.7
KKAR	Karatay Array	84.06	314	P	p	max	02 11 20.7	-1.7
D20K	Etiuvik River	84.11	18	P	P		02 11 21.7	-0.3
SMJ	Simiganj	84.17	310	P	P		02 11 21.8	-1.4
SCM	Sheep Creek Mo	84.23	26	P	P		02 11 22.1	-0.7
F21K	Alatina River	84.32	20	P	P		02 11 22.5	-0.7
MCK	McKinley	84.36	24	P	P		02 11 22.0	-1.4
H22K	Ishaitilina Cre	84.41	21	P	P		02 11 23.3	-0.3
EYAK	Cordova Ski Ar	84.42	27	P	P		02 11 23.3	-0.4
B20K	Meade River	84.67	17	P	P		02 11 24.3	-0.4
NEA2	Nenana	84.68	23	P	P		02 11 23.8	-1.1
KLU	Klutina	84.70	26	P	P		02 11 24.8	-0.5
I23K	Minto, Yukon-K	84.81	22	P	I	Amb	02 11 24.8	-0.8
I23K	Minto, Yukon-K	84.81	22	P	I	Amb	02 11 44.0	
I23K	Minto, Yukon-K	84.81	22	P	P		02 11 25.0	-0.6
M24K	Tolsona, Glenn	84.83	26	P	P		02 11 25.6	-0.2
G22K	Bettles	84.85	20	P	P		02 11 25.4	-0.4
C21K	Kniefelade Ri	84.90	18	P	P		02 11 26.0	-0.1
BRM	Bremner River	85.10	27	P	P		02 11 26.6	-0.6
NR1K	Noril'sk	85.18	342	I	Amb	I	Amb	02 11 26.9
NR1K	Noril'sk	85.18	342	P	P		02 11 25.9	-1.5
NR1K	Noril'sk	85.18	342	P	p	max	02 11 25.3	-2.1
G23K	Bananza Creek	85.27	21	I	Amb	I	Amb	02 11 28.5
G23K	Bananza Creek	85.27	21	P	P		02 11 27.6	-0.4
COLA	College	85.27	23	P	I	Amb	02 11 26.1	-1.8
COLA	College	85.27	23	P	I	Amb	02 11 26.8	
COLA	College	85.27	23	P	P		02 11 26.7	-1.2
COLA	College	85.27	23	P	p	max	02 11 26.1	-1.8
N25K	Chitina, Valde	85.34	27	P	I	Amb	02 11 27.6	-0.9
N25K	Chitina, Valde	85.34	27	P	I	Amb	02 12 28.1	
N25K	Chitina, Valde	85.34	27	P	P		02 11 27.6	-0.9
HARP	HAARP	85.39	26	P	P		02 11 28.0	-0.6
HDA	Harding Lake	85.44	24	P	P		02 11 27.4	-1.4
COLD	Coldfoot	85.44	20	P	P		02 11 28.3	-0.4
PAX	Paxson	85.47	25	P	P		02 11 28.3	-0.8
POKR	Poker Plat Res	85.54	23	P	P		02 11 27.7	-1.5
A21K	Barrow	85.55	16	P	P		02 11 27.5	-1.7
IL31	IL31	85.61	23	P	I	Amb	02 11 27.2	-2.4
IL31	IL31	85.61	23	P	I	Amb	02 11 28.1	
ILAR	Eielson Array	85.61	23	P	P		02 11 27.1	-2.5
K24K	Donnelly Dome	85.67	24	P	P		02 11 28.7	-1.2
H24K	Noodor Dome	85.67	22	P	P		02 11 29.0	-1.0
A22K	Sinclair Lake	85.83	16	P	P		02 11 30.2	-0.3
B22K	Teshkepuk Lake	85.92	17	I	Amb	I	Amb	02 11 55.1
B22K	Teshkepuk Lake	85.92	17	P	P		02 11 30.5	-0.5
E23K	Chandalar	86.02	20	I	Amb	I	Amb	02 11 33.6
E23K	Chandalar	86.02	20	P	P		02 11 31.2	-0.6
RIDG	Independent Ri	86.02	25	P	P		02 11 30.7	-1.1
D23K	Nanushuk River	86.09	19	I	Amb	I	Amb	02 11 32.8
D23K	Nanushuk River	86.09	19	P	P		02 11 31.9	0.0
J25K	Salcha River	86.14	24	P	P		02 11 31.3	-1.1
G24K	Hadweencriv Riv	86.18	21	I	Amb	I	Amb	02 11 32.5
G24K	Hadweencriv Riv	86.18	21	P	P		02 11 31.9	-0.5
MENT	Mentasta	86.20	25	I	Amb	I	Amb	02 11 59.4
TOLK	Toolik Lake Re	86.30	19	P	P		02 11 32.3	-0.8
M26K	Nabesna, AK	86.33	26	P	P		02 11 32.9	-0.4
F24K	Squaw Lake	86.38	21	I	Amb	I	Amb	02 11 35.3
F24K	Squaw Lake	86.38	21	P	P		02 11 33.4	-0.1
L26K	Log Cabin Wild	86.39	25	P	P		02 11 33.0	-0.6
E24K	Your Creek	86.41	20	P	P		02 11 33.1	-0.6
PRP	Porcupine Dome	86.43	23	P	P		02 11 33.4	-0.5
CRK	Sand Creek	86.47	24	P	P		02 11 33.2	-0.8
C23K	Iktilik River	86.52	18	P	P		02 11 33.9	-0.1
BVAR	Borovoye Array	86.58	324	P	P		02 11 32.4	-2.3
BRVK	Borovoye	86.65	324	P	P		02 11 35.0	-0.1

Table with columns: RETA, Reta, Comp, Az, El, P, M, Res, Time, Res. Includes stations like KHC Kasperske Hory, DAVA Damules, AKASG Malin Array Be, etc.

CATAC 15 03:10:51.7,0.8, 12.1N:4.8*8W:1.1, h19km, 7km, M5.0/53, M5.0/53, Error ellipse: s-maj=9.0km s-min=2.4km

IDC 15 03:10:52.3,1.4, 12.83N:87.26W, h75km, 12km, mb3.8/17, mbmp4.2/19, MS3.4/11, Error ellipse: s-maj=23.2km s-min=8.8km az=56.0

SNET 15 03:10:52.0,0.7, 12.49N:87.77W, h53km, 6km, ML4.9, RSNC 15 03:10:53.0,3.1, 13.1N:10.8*8W:1.0, h71km, 19km, M4.7, NEIC 15 03:10:53.4,1.6, 12.54N:0.07:87.65W:0.06, h80km, 6km, mb4.5/115, Error ellipse: s-maj=11.7km s-min=6.8km az=210.0

GCG 15 03:10:55.3,1.9, 12.74N:88.06W, h4km, 26km, MD4.9, Hypocentre not reviewed by the ISC

ISC 15 03:10:50.6,0.3, 12.51N:0.04:87.72W:0.004, h67km, n317, c175/323, mb4.5/67, 5.0-AD, Near coast of Nicaragua

Main station list table with columns: Code, Station Name, Az, El, P, M, Res, Time, Res. Lists numerous stations like CRIN San Cristobal, CRIN San Cristobal, etc.

Table with columns: PMON, Pname, Comp, Az, El, P, M, Res, Time, Res. Lists stations like PMON Piamonte, BOAB BOAC BROADBA, LLLGN La Laguna, etc.

Table with columns: TREL, Tname, Comp, Az, El, P, M, Res, Time, Res. Lists stations like TREL Terrell, ATAH Atahuapla, PDRP Pizarro, etc.

15d 3h

Table with columns for station name, coordinates, and status. Includes stations like LPAZ La Paz, LPZAZ La Paz, LPZAZ La Paz, etc.

UPA 15 03:40:49.8±0.1, 11°40'N-87°7'W, h10km±104km, MW5.5
MOS 15 03:40:56.8±1.2, 11°40'N-86°53'W, h3km, mb5.3/24, Error
ellipse: s-maj=11.9km s-min=6.2km az=112.8

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Azm135.0000°; P -1.0899, Plg13.0000°; Azm225.0000°;
RSNC 15 03:41:04.7±0.6, 11°41'N-83°8'W, h36km, M5.0, mb5.2,
mb5.5, ML4.7, Mw(mb)5.3, Mw(Mw)5.1, Mwps.5

11C-3D, Near coast of Nicaragua
Code Station Name Δs ΔZ Phase ID H Time Res
ARIN Rivas 0.84 74 P P 03 41 20.0 +2.3

Table with columns for station name, coordinates, and status. Includes stations like ARIN Rivas, MASN Masaya, COPN Copaltepé, etc.

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Table with columns for station name, coordinates, and status. Includes stations like GMAL Guarumal, CALO3 Calobre, CALO3 Calobre, etc.

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HKT	Hockley	20.49	337	P	P	03 45 38.2	+1.0
AOPR	Arecibo Observ	20.50	67	P	I	03 45 37.4	0.0
UUPR	Utado, UPR, P	20.50	68	I	Amb	03 45 51.3	
OBIP	Obispado Ponce	20.54	68	P	I	03 45 38.8	+0.8
833A	Chaparral WMA	20.77	327	P	P	03 45 40.4	+0.1
MLDN	Muldoo	20.85	334	I	Amb	03 45 53.0	
IGPR	InterUniversit	20.98	69	P	P	03 45 43.0	+0.4
SJG	San Juan	20.98	69	P	P	03 45 43.5	+0.9
SJG	San Juan	20.98	69	P	P	03 45 40.2	-2.5
SJG	comp=Z,34m,18.4s,baz=245,slow=7.6,SNR=11					03 54 26.6	
SJG	San Juan	20.98	69	P	P	03 45 43.5	+0.9
VBMS	Vicksburg	21.19	351	I	Amb	03 45 59.5	
HUMP	Col San Antoni	21.26	69	P	I	03 45 46.1	+0.4
HUMP	comp=Z,77m,1.1s					03 46 01.8	
PCRV	Puerto La Cruz	21.67	91	P	P	03 45 50.4	+0.3
PCRV	comp=Z,34m,20.3s,slow=42					03 55 45.9	
LRAL	Lakeview Retre	21.71	359	P	I	03 45 51.3	+1.0
LRAL	comp=Z,73m,1.0s					03 46 04.5	
435B	Jarrell	21.94	334	P	P	03 45 53.3	+0.4
DRIO	Del Rio	22.30	326	I	Amb	03 46 10.3	
NHSC	New Hope	22.58	14	P	P	03 46 01.4	+1.8
TBTG	Tabatinga, AM	22.64	132	P	P	03 46 00.6	+0.2
TBTG	Tabatinga, AM	22.64	132	P	P	03 46 01.5	+1.1
Z41	Richland Creek	22.64	347	I	Amb	03 46 01.5	
JCTC	Junction City	22.71	329	I	Amb	03 46 18.0	
BRDY	Brady	23.00	332	I	Amb	03 46 16.6	
WLAR	White Oak Lake	23.12	346	I	Amb	03 46 07.5	
FW16	Waxahatchee	23.16	338	I	Amb	03 46 29.6	
FW13	Cleburne	23.25	336	P	P	03 46 10.8	+0.2
CZSB	Cruzeiro do Su	23.40	143	P	P	03 49 54.9	+0.4
CZSB	comp=Z,67m,0.8s					03 46 09.9	+1.7
CZSB	Cruzeiro do Su	23.40	143	eP	P	03 46 28.0	
JSC	Jenkinsville	23.47	11	I	Amb	03 46 28.0	
PLMT	Pickwick Lake	23.68	357	I	Amb	03 46 22.4	
SMR2	St. Maarten	23.79	71	I	Amb	03 46 25.6	
X40A	Basin Creek Fa	23.83	347	I	Amb	03 46 21.6	
PAUL	Pauline	23.90	10	I	Amb	03 46 29.4	
BG3	Lake Jocassee	23.90	8	I	Amb	03 46 40.8	
BIRD	Birdtown, Kers	23.99	13	I	Amb	03 46 40.0	
TXAR	Lajitas Array	24.00	321	P	P	03 46 14.7	+0.6
TXAR	comp=Z,2.0m,0.7s,baz=140,slow=9.2,SNR=98					03 49 57.7	+2.0
TXAR	comp=Z,2.3m,0.9s,baz=180,slow=5.0,SNR=33					03 53 35.9	+3.6
TXAR	comp=Z,0.6m,0.7s,baz=134,slow=5.2,SNR=4.2					03 57 59.1	
TX31	Lajitas Ar, Si	24.00	321	I	Amb	03 46 36.9	
MIAR	Mount Ida	24.05	346	I	Amb	03 46 26.0	
CPCT	Copper Cave	24.19	4	P	P	03 46 15.8	+0.3
TKL	Tuckaleechee C	24.46	6	I	Amb	03 46 37.5	
TKL	Tuckaleechee C	24.46	6	P	P	03 46 16.0	-2.0
HBAR	Harrisburg	24.49	352	I	Amb	03 46 29.1	
WHAR	Woolly Hollow	24.49	349	I	Amb	03 46 19.1	
SGCY	Sterling City	24.54	329	I	Amb	03 46 50.3	
HALT	Halls	24.69	355	I	Amb	03 46 33.0	
CLTN	Cedars of Leba	24.76	1	I	Amb	03 46 33.3	
GNAR	Gosnell	24.82	354	I	Amb	03 46 23.3	
WWT	Waverly	24.82	358	P	I	03 46 21.1	-0.1
WWT	comp=Z,76m,1.6s					03 46 22.6	
WWT	comp=Z,76m,1.6s					03 46 21.1	-0.1
NNA	Nana	25.04	157	LR	LR	03 55 18.1	
NNA	comp=Z,1.0m,20.0s,baz=345,slow=34					03 46 25.4	+1.9
FCAR	Ozark Elk Cen	25.05	349	I	Amb	03 46 33.6	
LCAR	Lake Charles	25.06	351	I	Amb	03 46 33.8	
BIM	Bigot	25.16	80	P	P	03 46 25.9	+1.3
SN05	Snyder 5	25.20	331	I	Amb	03 46 37.2	
APMT	Aspermont	25.22	333	I	Amb	03 46 56.0	
HICK	Hickman	25.31	355	P	P	03 46 25.5	-0.1
MPOM	Morne Pois Mar	25.35	80	I	Amb	03 46 41.5	
MPOM	comp=Z,72m,0.9s					03 46 40.5	
GDSD	La Desirade Is	25.36	76	I	Amb	03 46 40.5	
SN07	Snyder 07	25.38	331	I	Amb	03 46 29.7	
SLBS	Sierra La Lagu	25.38	302	P	P	03 46 28.7	+2.1
PECS	Pecos	25.59	324	I	Amb	03 46 52.7	
POST	Post	25.65	330	I	Amb	03 46 39.3	
PBMO	Poplar Bluff	25.67	353	I	Amb	03 46 39.5	
HHAR	Hobbs	25.80	346	I	Amb	03 46 42.0	
LPIG	La Paz	25.86	303	LR	LR	03 57 27.7	
DKNS	Dickens	25.87	332	I	Amb	03 46 43.6	
MGMO	Mountain Grove	26.30	350	I	Amb	03 46 35.5	
OK029	Liberty Lake	26.34	340	I	Amb	03 46 47.6	
SIUC	Southern Illin	26.47	355	I	Amb	03 46 47.1	
BLA	Blacksburg	26.48	11	P	I	03 46 36.5	+0.2
BLA	Blacksburg	26.48	11	P	P	03 46 36.5	+0.2
USIN	University of	26.64	358	I	Amb	03 46 48.7	
WCI	Wyandotte Cave	26.89	1	P	P	03 46 39.6	-0.3
WCI	comp=Z,142m,1.4s					03 46 39.7	-0.3
WCI	Wyandotte Cave	26.89	1	P	P	03 46 39.7	-0.3
WCI	comp=Z,142m,1.5s					03 46 39.7	-0.3

CCM	Cathedral Cave	27.03	352	P	I	03 46 40.6	-0.6
CCM	comp=Z,88m,1.1s					03 46 51.6	
CCM	Cathedral Cave	27.03	352	P	pmax	03 46 40.6	-0.6
BOAV	Boa Vista	27.37	107	P	P	03 46 44.3	-0.3
BOAV	Boa Vista	27.37	107	eP	P	03 46 43.7	-0.9
OK038	West End E0370	27.41	339	I	Amb	03 46 58.7	
OLIL	Olney	27.42	358	I	Amb	03 46 45.8	
KAN13	South Haven 2S	27.46	341	P	P	03 46 43.9	-1.3
KAN14	Manchester OK	27.57	340	I	Amb	03 46 58.7	
KAN17	Caldwell West	27.58	341	I	Amb	03 46 58.9	
KAN09	Caldwell North	27.62	341	I	Amb	03 46 59.4	
KAN05	Bluff City Nor	27.68	340	I	Amb	03 47 00.5	
KAN01	Argentina South	27.68	341	I	Amb	03 47 00.0	
KAN08	Anthony NE Sta	27.82	340	I	Amb	03 47 01.8	
CBN	Corbin Frederi	28.12	16	I	Amb	03 47 13.5	
P49A	Miami Univ. Ec	28.24	3	I	Amb	03 46 52.8	
P52A	Corning	28.57	7	I	Amb	03 47 17.0	
121A	Cookes Peak, D	28.76	321	P	P	03 46 57.6	+0.5
SRIG	Santa Rosa	28.88	307	I	Amb	03 47 11.1	
O48B	Farmland	28.94	2	I	Amb	03 46 59.0	
O48B	comp=Z,53m,1.1s					03 46 58.8	+0.4
MCWV	Mont Chateau	28.95	11	I	Amb	03 47 00.5	
319A	Douglas	28.97	317	I	Amb	03 47 25.5	
RTBA	Rita Blanca	29.00	333	I	Amb	03 47 15.3	
ACSO	Alum Creek Sta	29.07	6	I	Amb	03 47 00.8	
KSU1	Kansas State U	29.14	344	I	Amb	03 47 13.2	
ETMB	Extrema	29.16	135	P	P	03 47 00.8	+0.3
ETMB	Extrema	29.16	135	eP	P	03 47 02.0	+1.5
HDIL	Hopedale	29.30	356	I	Amb	03 47 12.0	
O53A	New Philadelph	29.30	9	I	Amb	03 47 25.9	
MACA	Manacopus,AM	29.54	117	eP	P	03 47 03.6	-0.3
ANMO	Albuquerque	29.70	326	P	P	03 47 05.0	-0.3
ANMO	Albuquerque	29.70	326	P	P	03 47 06.5	+1.2
ANMO	comp=Z,3.6m,0.7s,baz=315,slow=10,SNR=19					04 02 13.1	
ANMO	comp=Z,661m,19.1s,baz=288,slow=43					03 47 06.4	+1.1
ANMO	comp=Z,1.5m,2.5s					03 48 01.5	
CBKS	Cedar Bluff	29.85	339	I	Amb	03 48 01.5	
MVL	Millersville	30.08	16	I	Amb	03 47 25.6	
SSPA	Standing Stone	30.30	13	P	I	03 47 10.2	-0.1
SSPA	Standing Stone	30.30	13	P	P	03 47 11.1	+0.8
SSPA	Standing Stone	30.30	13	P	P	03 47 20.1	+1.2
SSPA	Standing Stone	30.30	13	P	P	03 47 10.3	0.0
T25A	Trinidad	30.34	331	P	P	03 47 11.1	0.0
TUC	Tucson	30.55	317	P	P	03 47 13.0	+0.2
TUC	Tucson	30.55	317	P	P	03 47 13.0	+0.2
L44A	Lake County Fo	30.85	358	P	P	03 47 14.6	-0.6
AAM	Ann Arbor	31.07	4	P	P	03 47 16.4	-0.7
AAM	Ann Arbor	31.07	4	P	P	03 47 16.4	-0.7
S22A	4JR Ranch, Cre	32.01	329	P	P	03 47 25.4	-0.4
Q24A	Divide	32.16	332	P	P	03 47 27.1	-0.1
MMNV	Mt. Morris Dam	32.30	12	P	P	03 47 28.2	+0.3
MVCO	Mesa Verde	32.48	326	I	Amb	03 48 09.6	
OGNE	Ogallala	32.55	338	I	Amb	03 47 45.7	
113A	Mohawk Valley	32.86	315	P	P	03 47 34.5	+1.6
113A	La Paz	32.92	146	P	P	03 50 18.9	+1.6
LPZ	comp=Z,2.7m,0.6s,baz=322,slow=7.2,SNR=8.6					03 47 35.9	+1.6
LPZ	comp=Z,2.2m,19.7s,baz=312,slow=38					04 02 00.5	
LPZ	La Paz	32.92	146	eP	P	03 47 35.6	+1.3
WUAZ	Wupatki	32.97	321	P	P	03 47 34.3	+0.2
WUAZ	Wupatki	32.97	321	P	P	03 50 19.3	+1.4
ISCO	Idaho Springs	33.05	333	I	Amb	03 47 49.6	
BRIGG	Briggsdale	33.13	335	P	I	03 47 35.9	+0.4
BRIGG	comp=Z,20m,0.8s					03 47 37.7	+0.3
PB18	Visviri	33.29	149	P	P	03 47 36.7	-0.2
M65A	Busby, Falmout	33.33	22	P	P	03 47 36.7	-0.2
L61B	Northampton	33.41	19	P	P	03 47 37.8	+0.2
PB12	IPOC Station P	33.75	151	P	I	03 47 41.2	+0.3
PB12	comp=Z,31m,1.0s						

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PTGB Pitanga, JANB Januaria, and BIO2 Sao Fabin de comp=Z,51nm,1.6s.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like YUK6 Outpost Mounta, MAYO Mayo, Yukon, and PINM Pinnacle.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like KDAK Kodiak Island, KDAK Kodiak Island, and KDAK Kodiak Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Tongmen, Ninganchiao, Yanliu Villag, etc.

KOLA 15 04:16:12.3, 67.64N, 33.66E, h0km, ML 1.5, Error ellipse: s-maj=5.4km s-min=-2.2km az=120.0, Khibiny, mines

HEL 15 04:16:10.1, 67.63N, 33.04E, h0km, ML 1.4, Suspected explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Apatity, Kovda, Teriberka, Vario, etc.

DJA 15 04:46:01.6, 0.3, 2N, 2.99E, h10km, M3.6/8, mB4.7/1, ML3.6/8, Mw(mB)3.9/1, Northern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Sibolga, Mandaling Nat, Gunungsitoli, etc.

JMA 15 04:48:44.0, 0.1, 23.3N, 0.5, 122.0E, 0.6, h27km, MV3.3/13, TAIWAN REGION

TAP 15 04:48:45.2, 23.30N, 121.99E, h41km, ML3.6, D, ISC 15 04:48:44.3, 1, 23.29N, 0.02, 122.01E, 0.02, h33km, 5km, m124, 0.081/225, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Changbin, Chenggong, Ruisui, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Xiuilin Townshi, Aohua, Renai, Suanglung, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Tongmen, Ninganchiao, Yanliu Villag, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Tongmen, Ninganchiao, Yanliu Villag, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Tongmen, Ninganchiao, Yanliu Villag, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Tongmen, Ninganchiao, Yanliu Villag, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, EIOS, EIOS3, EIOS4, EIOS5. Includes stations like Tongmen, Ninganchiao, Yanliu Villag, etc.

15 04:56:03.2, 1.4, 5.99S, 147.01E, h0km, mb3.6/4, mbmp3.5/6, ML2.6/2, Error ellipse: s-maj=46.4km s-min=21.8km az=97.0

15 04:56:12.3, 1.2, 6.22S, 0.09, 147.0E, 0.02, h78km, n7, 0.1508R, mb3.5/4, Eastern New Guinea region

15 04:59:00.0, 0.8, 53.95N, 84.64E, h0km, M2.3, The earthquakes of Russia in 2019, Obninsk, GS RAS, 214 p + CD-ROM, 2021

15 04:59:00.8, 0.9, 53.95N, 84.61E, h0km, mbmp2.6/2, ML2.3/2, Error ellipse: s-maj=5.0km s-min=1.6km az=93.0, Southwestern Siberia

15 04:59:22.0, 0.4, 10.58N, 63.19W, h0km, mb4.2/3, mbmp4.5/27, ML3.7/4, MS3.7/36, Error ellipse: s-maj=11.9km s-min=1.1km az=136.0

15 04:59:24.5, 1.0, 10.48N, 63.24W, h120km, MD5.4, NEIC 15 04:59:24.1, 2.1, 10.48N, 63.24W, h10km, mb4.9/194, Error ellipse: s-maj=13.3km s-min=10.9km az=86.0

15 04:59:24.4, 0.5, 10.1N, 63.3W, h10km, M4.3, mb5.0, mb4.9, ML3.9, Mw(mB)4.9, Hypocentre not reviewed by the ISC

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

15 04:59:25.1, 1.0, 58N, 63.20W, h9km, MW5.0, VAO 15 04:59:25.0, 0.4, 10.36N, 63.19W, h0km, mb4.9, ISC 15 04:59:25.9, 1.2, 10.46N, 63.21W, 0.03, h27km, 9km, m297, 0.32/257, mb4.9/114, MS3.8/33, 3C-3D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, FINES FINES Array B, BUR08 Bucovina Ar. S, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FUNVU 15 05:01:54.8, CUMV Cumana_UDO, etc.

RSNC 15 05:06:26.9-0.0, 10'N1.1x7'3W1.1, h167km, 3km, M3.2, mb4.2, ML2.8

FUNVU 15 05:06:34.0, 9.23'N, 72.084'W, h5km, MW3.5, ISC 15 05:06:25.1-1.5, 9.52'N, 02.047'W, h27.73W, 0.04, h171km, 12km, n33, c234/58, 2C-2D, Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MCOV Machiques, OCAC Ocana, ARGG Ariguani, etc.

RHSSO 15 05:12:54.5-0.2, 43.01'N-17.89'E, h6km, 2km, ML2.3/11, BEO 15 05:12:54.9-0.3, 43.02'N-17.84'E, h4km, 3km, ML2.1/10, PDG 15 05:12:54.4-0.1, 43.01'N-17.89'E, h10km, 1km, MD2.7/1, ML2.6/11, Error ellipse: s-maj=0.5km s-min=0.3km az=90.0

ISC 15 05:12:54.2-1.0, 43.02'N, 02.177'E, h5km, 9km, n53, c099/105, 4C-5D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STON Ston, BAUV Baui, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TREB Trebinje, BRY Bratogost, KALIN Kalinovic, etc.

RSNC 15 05:27:46.2-0.0, 8'N, 1.7x3W, h154km, 2km, M1.8, ML1.8, Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like OCAC Ocana, PAMC Pamplona, COLO Barrancabermej, etc.

RSNC 15 05:27:47.7-0.0, 7'N, 2.77W, h14km, 6km, M1.6, ML1.5, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DBBC Dabeiba, SOLL Bahia Solano, etc.

TIR 15 05:30:43.7, 40.80'N-19.33'E, h9km, 5km, M3.4/5, THE 15 05:30:43.0, 41.01'N-19.20'E, h5km, 15km, ML3.0/5, Error ellipse: s-maj=2.6km s-min=2.2km az=308.0

PDG 15 05:30:46.7-1.0, 40.96'N-19.60'E, h10km, 2km, ML3.2/13, Error ellipse: s-maj=1.5km s-min=3.1km az=0.0

BEO 15 05:30:53.8, 0.5, 41.29'N-20.04'E, h9km, 2km, ML2.7/9, ISC 15 05:30:46.4-1.2, 40.88'N, 02.1955'E, h3km, 10km, n70, c1965/111, 2C-5D, Albania

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TIR Trebinje, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VLO Vlor, TIR Tirane, OHR Ohrid, etc.

NEIC 15 05:53:52.2, 2.2, 22.21'S, 0.1x169.00E, 0.07, h10km, 1km, mb4.7/29, Error ellipse: s-maj=20.0km s-min=10.5km az=353.0

NOU 15 05:53:53.4, 2.1, 73'S-168.90E, h0km, mb4.6/39, Loyalty

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Cabo Rojo, Magueyes PR, Magueyes Islan, etc.

ASRS 15:07:02:57.0, 2.0, 53.69N, 91.03E, h0km, M3.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

NNC 15:07:03:00.4, 2.8, 53.94N, 90.82E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=21.0km s-min=16.6km az=52.0, Suspected Mining explosion.

IDC 15:07:03:01.9, 2.2, 53.83N, 90.78E, h0km, mbmp3.7/3, ML3.4/3, Error ellipse: s-maj=23.1km s-min=19.1km az=102.0.

ISC 15:07:02:57.3, 1.4, 54.00N, 101.09E, h0km, n14, e254/17, 8C-6D, Southwestern Siberia

Main table for the first section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV, ZALU, etc.

WEL 15:07:03:56.8, 0.5, 40.0, 171.6E, h34km, 7km, M3.7/13, ML3.9/14, MLV3.7/13, Error ellipse: s-maj=4.6km s-min=4.3km az=102.0.

NOU 15:07:03:56.9, 40.12S, 175.63E, h32km, ML3.4/14, North Island, New Zealand

ISC 15:07:03:57.9, 1.5, 40.00S, 175.60E, 0.03, h36km, 1km, n86, e065/98, North Island

Main table for the second section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OHWZ, TSZ, POWZ, etc.

Main table for the third section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WTVZ, TMVZ, PXZ, etc.

IDC 15:07:28:11.5, 2.9, 51.88N, 94.22E, h0km, mb3.6/6, mbmp3.6/7, ML3.2/1, MS3.3/1, Error ellipse: s-maj=110.2km s-min=20.0km az=56.0.

ISC 15:07:27:12.2, 5.3, 30.94S, 135.35E, h35km, n14, e0575/8, mb3.6/6, Northern Sumatra

Main table for the fourth section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PSI, H0BS3, H0S2, etc.

SOME 15:07:32:39.2, 41.07N, 71.28E, h5km, nnc 15:07:32:40.3, 0.4, 41.08N, 71.27E, h8km, 2km, mb3.9, mpv3.3, Error ellipse: s-maj=3.5km s-min=1.7km az=6.0, Kyrgyzstan

Main table for the fifth section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IUG, MRKS, BRLS, etc.

NEIC 15:07:33:23.2, 1.0, 10.1S, 0.2, 108.35W, 0.09, h10km, 2km, mb4.0/23, Error ellipse: s-maj=29.3km s-min=5.4km

IDC 15:07:33:26.4, 1.0, 8.77S, 108.13W, h0km, mb3.9/7, mbmp3.9/7, MS3.9/38, Error ellipse: s-maj=43.3km s-min=22.9km az=62.0.

ISC 15:07:33:20.9, 1.3, 10.2S, 0.2, 108.5W, 0.2, h10km, n73, e1547/29, mb4.5/21, MS4.0/37, Central East Pacific Rise

Main table for the sixth section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RPN, ATAH, CUEH, etc.

Main table for the seventh section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TXAR, LPAZ, LCO, etc.

LENN Lemitar 44.17 2 P P 07 41 31.9 +1.7

ANFO Puyco Flats O 44.25 350 LR LR 07 56 30.0

PLCA Albuquerque 44.97 2 LR LR 07 56 46.8

W13A Hualapai Mount 45.37 354 P P 07 41 40.7 +0.9

ELK Elko 51.10 353 LR LR 07 59 31.0

TKL Tuckaleches C 51.26 26 LR LR 08 00 35.6

PDAR Pinedale Array 52.74 359 P P 07 42 33.4 -2.9

YBH Yreka Blue Hor 53.33 347 LR LR 07 59 43.8

MFID Camas Ranch 53.80 353 P P 07 42 44.9 +1.0

HLID Hailey 53.80 355 P P 07 42 45.3 +1.3

KOOD Kholoquin, OR 53.98 348 P P 07 42 46.5 +1.3

FLWY Flagg Ranch 54.09 358 P P 07 42 46.7 +0.6

J08A Circle Bar Ran 54.10 351 P P 07 42 47.1 +1.1

J05D Fort Rock, OR 54.51 349 P P 07 42 50.4 +1.2

USHA Ushuaia 54.57 153 LR LR 08 01 38.4

MCMT McKenzie Canyo 54.94 356 P P 07 42 51.2 -1.1

I07A Izeze 54.97 350 P P 07 42 53.9 +1.5

G08A Pilot Rock 56.06 351 P P 07 43 01.3 +1.1

MDP Montagnes des 57.67 77 LR LR 08 05 39.0

NEW Newport 58.73 353 LR LR 08 03 30.0

BDFB Brasilia 59.03 102 LR LR 08 06 18.9

PMSA Palmer Station 62.58 160 LR LR 08 04 38.0

BBB Bella Bella 64.42 347 LR LR 08 05 31.9

MSVF Nonneville 71.31 255 LR LR 08 08 19.6

URZ Urewera 71.51 233 LR LR 08 10 14.9

YKA Yellowknife A 72.65 357 P P 07 44 46.0 -2.5

SCHO Scheferville 73.64 24 LR LR 08 15 46.5

KDAD Kodiak Island 76.72 337 LR LR 08 09 59.3

FRB Frohisher Bay 79.77 17 LR LR 08 18 15.4

GSPA South Pole 79.86 180 P P 07 45 43.4 +1.4

ILAR Gielson Array 80.14 344 P P 07 45 32.5 +1.6

ILAR Gielson Array 80.14 344 P P 07 45 32.5 +1.6

JMA 15:07:46:46.0, 0.1, 24.1N, 122.9E, 0.0, h52km, 2km, MW2.4/12, NW OFF ISHIGAKIJIMA IS

TAP 15:07:46:47.1, 24.20N, 122.94E, h39km, M2.9, D

ISC 15:07:46:47.0, 1.3, 24.11N, 122.97E, 0.03, h34km, 2km, n58, e059/96, Taiwan region

Main table for the eighth section with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JYNG, YJYJ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ishigaki jima, Wuta, Suao, Nanau, Ninganchiao, Dongshan, etc.

TAP 15 08:03:40.2, 24°07'N, 122°65'E, h46km, ML2.7, C
JMA 15 08:03:40.1, 24°01'N, 122°7'E, h42km, MV2.2/10,
NW OFF ISHIGAKIJIMA IS

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EOS4, EOS3, YONG, YONG, YONG, etc.

RSNC 15 08:13:05.2, 0.0, 10°N, 2°W, h59km, 9km, M2.9, mb4.6,
mB5.7, ML2.6, Mw(mB)5.2
UPA 15 08:13:06.0, 1.7, 9.58N, 78.02W, h31km, 15km, MD3.9,
ML4.3, MW4.2

UCR 15 08:13:12.8, 1.4, 10°09'N, 78°52'W, h35km, 468km, MW3.6
ISC 15 08:13:04.1, 1.2, 9.72N, 0.05, 77.94W, 0.03, h50km, 41km,
n47, c158/75, 3C-3D, Near north coast of Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Meteti, Capurgana, Univ. de Panam, Los crdobas, etc.

CNRM 15 08:17:55.4, 35°90'N, 0°56'W, h62km, ML2.6
CRAAG 15 08:17:55.1, 35°72'N, 0°60'W, M13.2, Algeria 17km NW
Bir-Ei-Djir

MDD 15 08:17:56.8, 1.0, 35°86'N, 0°55'W, h31km, 19km, mb_Lg2.8/9,
Error ellipse: s-maj=11.8km, s-min=4.8km, az=144.0

ISC 15 08:17:53.6, 1.4, 35.92N, 0.04, 60W, 0.04, h10km, 12km,
n29, c131/38, Northern Algeria

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OFRTO, USTGO, ODJA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TAF, TAF, EMUR, EMUR, etc.

DMN 15 08:28:54.6, 0.0, 27°10'N, 88°37'E, h2km, M14.4/6, Error
ellipse: s-maj=0.0km, s-min=0.0km, az=0.0, Sikkim

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TAPN, TAPN, ODAN, ODAN, etc.

NEIC 15 08:38:46.5, 1.6, 20°6'S, 0°1'W, 175°0W, 0.1, h165km, 15km,
mb4.0/12, Error ellipse: s-maj=15.7km, s-min=14.2km
az=205.0

IDC 15 08:38:52.0, 4.3, 20°94'S, 175°76'W, h158km, 34km, mb3.6/7,
mbmp4.1/9, Error ellipse: s-maj=33.0km, s-min=26.1km
az=80.0

ISC 15 08:38:45.3, 0.7, 20°75'S, 0°1'W, 175°0W, 0.08, h150km, n26,
c15/28/26, mb4.0/12, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIUE, NIUE, MSVF, MSVF, etc.

IDC 15 08:46:24.8, 6.4, 21°72'N, 143°49'E, h280km, 61km,
mb3.3/11, mbmp3.9/12, Error ellipse: s-maj=44.5km
s-min=14.0km, az=76.0

ISC 15 08:46:26.7, 1.1, 21°7N, 0°2, 143.4E, 0.3, h300km, n12,
c059/12, mb3.3/10, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, BVAR Borovoye Array, ARCES ARCES Array B, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRO Drossia, DRO Drossia, DRO Drossia, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SDDR, LONE3 El Aguacate, LONE3, etc.

BUI 15 11:27:05.5, 33.720N:141.20E, h30km, mB4.9/13, mb4.7/48, Ms4.3/12, Ms7.4/14
NEIC 15 11:27:08.5, 33.722N:141.19E, h35km
JMA 15 11:27:08.5, 33.722N:141.19E, h35km, 3km, MD4.6/84, MW4.6/84, E OFF HACHIOJIMA ISLAND

AEIC 15 11:02:55.0, 1.3, 54.66N:0.04, 163.59W:0.04, h7km, 3km, Error ellipse: s-maj=6.5km s-min=1.5km az=150.0

NEIC 15 11:02:54.0, 0.6, 54.26N:0.02, 163.49W:0.04, h8km, 4km, ML3.1/10, ML2.9(AEIC), Error ellipse: s-maj=3.4km s-min=2.1km az=73.0, Unimak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ISLZ Isanotski Laza, ISLZ, ISLZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRO Drossia, DRO Drossia, DRO Drossia, etc.

NEIC 15 11:27:08.5, 1.7, 33.720N:0.04, 141.19E:0.08, h35km, 1km, mb4.8/13, MW4.5/11, Error ellipse: s-maj=1.1, 0.9km s-min=7.1km az=101.0, Moment Tensor Solution

Moment tensor: Scale 10^15Nm: M2.44; M3.156; M4.400; M5.076; M6.320; M7.585; Fault plane solution: Mw1.100x10^15 NP1: 0.87, 350000, 1.21, 970000, NP2: 0.296, 76000, 0.34, 14000, 1.22, 970000

Principal axes: T 6.4820, P 2.967000, N 1.1199, Plg31.0000, Azm360.0000, P -7.6019, Plg25.0000, Azm253.0000

NIED 15 11:27:08.5, 33.833N:141.05E, h54km, MW4.6, Moment Tensor Solution, s3 Moment tensor: Scale 10^15Nm: M4.71; M6.024; M6.495; M6.101; M6.029; M6.668

Full plane solution: Mw3.100x10^15 NP1: 0.358, 00000, 3.18, 00000, 1.81, 00000; NP2: 0.188, 00000, 3.72, 00000, 1.93, 00000

ISC 15 11:27:09.7, 2.2, 33.69N:141.06E, h52km, 18km, mb4.3/30, mbmp4.5/33, ML4.3/4, MS3.7/39, Error ellipse: s-maj=13.4km s-min=10.9km az=96.0

ISC 15 11:27:07.5, 0.7, 33.75N:0.03, 141.24E:0.04, h32km, 4km, n351, 13/34/319, mb4.8/130, MS3.8/38, 9D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO3 Boso 3, JHJ2 Mitsune, etc.

THE 15 11:11:22.5, 37.38N:20.57E, h0km, 2km, ML3.3/10, Error ellipse: s-maj=3.3km s-min=1.0km az=219.0

ATH 15 11:11:22.5, 37.41N:20.58E, h15km, 1km, ML3.3/15, Error ellipse: s-maj=2.1km s-min=1.0km az=44.0

IDD 15 11:11:31.0, 1.5, 38.73N:21.84E, h0km, mb3.7/8, mbmp3.7/8, Error ellipse: s-maj=37.1km s-min=26.8km az=127.0

ISC 15 11:22:01.2, 2.3, 37.37N:0.06, 20.58E:0.06, h21km, 4km, n56, 13/37/82, mb3.7/9, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LTHK Lithakia, LTHK, LTHK, etc.

SDD 15 11:22:45.2, 2.0, 19.14N:70.01W, h15km, 142km, MD2.3, ML2.3, MW2.6

OSPL 15 11:22:46.1, 1.7, 19.06N:70.04W, h8km, 8km, ML2.2

ISC 15 11:22:43.1, 1.4, 19.12N:0.03, 70.00W:0.03, h8km, 13km, n15, 09/60/25, 9C-3D, Dominican Republic region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LONA1 Toro Cenizo, LONA1, LONA1, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like JNU Nakatsue, JTO Tsushima, ASAJ Asahikawa, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TIXI Tikisi, LHUW Luuwuk, CMAR Chiang Mai, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AS31 Alice Springs, ASAR Alice Springs, MBWA Marble Bar, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Time, and other details. Includes stations like NB2, NOA, BOZ, ICESG, ELK, LUBAR, FLWY, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Op, ISC, Time, Res, and other details. Includes stations like ARNO, PBDV, EGRO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Status, Time, and other details. Includes stations like JBK, POLO, TIMMIT, etc.

15d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like W35A Tecumseh, W35A, W35A, ELIS Ellis County, X34A Smith Ranch, M, etc.

JMA 15 12:14:17.6:0.2, 35°7'N:0°5'.140°6'E:0.8, h60km, 1km,
M1V3.4/39, NORTHERN CHIBA PREF
JMA Feit 1.1 at NORTHERN CHIBA PREF.
NIED 15 12:14:17.6: 35.79N; 140°60E, h60km, MW3.8, Moment
Tensor Solution. s3 Moment tensor: Scale 10^14Nm;

ISC 15 12:14:19.0:0.8, 35°79'N:0°04'.140°69'E:0.05, h59km, 6km,
n45, r157/43, mb3.5/10, 2D, Near east coast of eastern
Honshu

Main table for the first section listing station codes (JIHU, JIHT, JSMT, etc.), station names, coordinates, and seismic parameters.

ISC 15 12:16:17.4:2.7, 13°69'N:145°91'E, h68km, 40km, mb3.7/8,
mbtmp4.0/8, Error ellipse: s-maj=136.6km s-min=30.8km
az=1.0

ISC 15 12:16:16.2:5.1, 13°39'N:0°4'.146°0E:3.0, h50km, n9,
r052/10, mb4.0/8, Mariana Islands

Table listing station codes (GUMO, SONM, ZALV, MKAR, etc.) and their details.

ISC 15 12:22:20.8:5.3, 5°07'N:73°09'W, h274km, 68km, mb2.6/2,
mbtmp3.3/2, Error ellipse: s-maj=289.6km s-min=79.6km
az=13.0

RSNC 15 12:22:20.3:0.0, 7°N:1°7'W, h152km, 2km, M3.3, mb3.8,
mB5.1, ML3.1, Mw(m)B4.5

ISC 15 12:22:19.4:1.0, 6.89N:0°03'.73:12W:0.04, h154km, 6km,
n40, r152/70, Northern Colombia

2019 JAN

Main table for the second section listing station codes (BARC, PAMC, PAMC, etc.), station names, coordinates, and seismic parameters.

NEIC 15 12:26:03.2:1.8, 8°68'S:0°07'.119°27'E:0.07, h133km, 7km,
mb4.3/19, Error ellipse: s-maj=10.8km s-min=9.6km

ISC 15 12:26:03.8:2.1, 8°59'S:119°54'E, h148km, 16km, mb3.7/9,
mbtmp4.2/13, MS3.6/3, Error ellipse: s-maj=33.5km
s-min=7.9km az=56.0

DJA 15 12:26:04.9:0.8, 9°S:2°11'9E, h33km, 11km, M4.6/15,
mB5.2/4, mb4.8/6, MLV4.6/15, Mw(m)B4.5/4

ISC 15 12:26:02.5:0.6, 8.71N:0°03'.119:32E:0.03, h131km, 6km,
n94, r180/102, mb4.2/20, Flores region

Main table for the third section listing station codes (WBSI, WBSI, WSI, etc.), station names, coordinates, and seismic parameters.

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Main table for the fourth section listing station codes (MEEK, WRA, WRA, etc.), station names, coordinates, and seismic parameters.

ISC 15 12:26:17.8:19.0, 22°31'S:179°96'W, h0km, mb3.7/4,
mbtmp3.7/4, Error ellipse: s-maj=615.5km
s-min=142.6km az=32.0, South of Fiji Islands

Table listing station codes (NVAR, TXAR, ILAR, PDAR) and their details.

WEL 15 12:31:40.6:1.2, 46°S:8°16'E, h12km, M3.5/6, ML3.7/6,
MLV3.5/6, Error ellipse: s-maj=10.9km s-min=8.7km
az=19.4, Off west coast of South Island

Table listing station codes (PYZ, PYZ, RARAK, etc.) and their details.

Table with columns: RPZ, Rata Peaks, 4.33 56 P, Pn, 12 32 45.0 -1.2, etc.

DJA 15 12:39:34.3i,1.3,2.2N,3x12.7E, h17km,11km,M3.5/5, MLV3.5/5

IDC 15 12:39:26.8i,1.6,2.87N,127.49E,h0km,mb3.5/6, mbtmp3.5/6,Error ellipse: s-maj=82.2km s-min=17.9km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

MEX 15 12:48:14.5i,0.8,15.98N,95.99W,h61km,10km,MD4.8

NEIC 15 12:48:14.7i,0.7,16.03N,95.95W,0.04,h41km,12km, mb4.3/61,MD4.8/66(MEX),Error ellipse: s-maj=11.8km

IDC 15 12:48:18.9i,2.3,16.47N,95.61W,h64km,18km,mb3.6/6, mbtmp4.1/9,MS3.2/7,Error ellipse: s-maj=29.3km

ISC 15 12:48:14.7i,0.7,16.03N,95.99W,0.04,h5km,9km, n157,01884/156,mb4.2/18,MS3.1/6,Oaxaca

Main table for Oaxaca region with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: CIHU, San Cristobal, 9.18 110 P, Pn, 12 52 32.9 +30, etc.

ATH 15 12:51:16.6,37.70N,20.31E,h8km,2km,ML3.2/7,Error ellipse: s-maj=2.9km s-min=0.9km,az=37.0

THE 15 12:51:17.4,37.73N,20.38E,h0km,2km,ML3.2/6,Error ellipse: s-maj=2.7km s-min=0.5km,az=231.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

ATH 15 12:51:16.6,37.70N,20.31E,h8km,2km,ML3.2/7,Error ellipse: s-maj=2.9km s-min=0.9km,az=37.0

THE 15 12:51:17.4,37.73N,20.38E,h0km,2km,ML3.2/6,Error ellipse: s-maj=2.7km s-min=0.5km,az=231.0

IDC 15 12:51:17.9i,20.0,38.13N,20.93E,h0km,mb3.7/5, mbtmp3.8/5,Error ellipse: s-maj=389.7km s-min=49.4km

ISC 15 12:51:16.9i,1.6,37.71N,20.05,20.40E,0.06,h15km,8km, n37,0082/57,mb4.1/5,Ionian Sea

Main table for Ionian Sea region with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: LTHK, Lithakia, 0.34 89 P, Pn, 12 51 24.5 -0.1, etc.

KRSC 15 13:17:20.4i,0.6,55.21N,163.36E,h64km,18km,ML3.9, Off east coast of Kamchatka Peninsula

IDC 15 13:17:20.4i,0.6,55.21N,163.36E,h64km,18km,ML3.9, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

KRSC 15 13:17:20.4i,0.6,55.21N,163.36E,h64km,18km,ML3.9, Off east coast of Kamchatka Peninsula

IDC 15 13:17:20.4i,0.6,55.21N,163.36E,h64km,18km,ML3.9, Off east coast of Kamchatka Peninsula

IDC 15 13:17:20.4i,0.6,55.21N,163.36E,h64km,18km,ML3.9, Off east coast of Kamchatka Peninsula

IDC 15 13:17:20.4i,0.6,55.21N,163.36E,h64km,18km,ML3.9, Off east coast of Kamchatka Peninsula

Main table for Kamchatka Peninsula region with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include KRMR, RUS Russkaya, OSSR Ossora, MTRR Mutnovka, GRL Gorelyh, APC Apacha, PALN Palana, TILK Tilichiki.

IDC 15 13:28:02.7, 0.7, 36:37N; 97:85W, h0km, mb3.6/3, mbmp3.7/11, ML3.4/7, MS3.2/8, Error ellipse: s-maj=9.7km

s-min=2.9km az=140.0

NEIC 15 13:28:02.0, 0.3, 36:21N; 01:97:57W; 0.01, h5km, 1km, mb, Lg2.2/143, ML2.2/52, Mw13.9/20, Error ellipse: s-maj=2.9km s-min=2.0km az=262.0, Moment Tensor Solution. Moment tensor: Scale 10^14Nm; Mr=0.71; Mw=7.25; Mv=6.54; Ms=3.90; Mo=4.56; Mv=1.73; Fault plane solution: Mo=330000*10^14 NP1:297.510000*888.660000, lambda=27.430000. NP2:28.200000*862.570000, lambda=178.490000. Principal axes: T 9.6792, P1g18.00000, Azm346.00000, N -0.7461, P1g63.00000, Azm115.00000; P -8.9331, P1g20.00000, Azm249.00000;

NEIC 15 13:28:02.4, 36:24N, 07:56W, h5km

ISC 15 13:28:02.3, 1.1, 36:25N; 01:97:56W; 0.03, h11km, gkm, n114, 1876/69, mb3.6/3, MS3.5/3, Oklahoma

Main table for 15d 13h section, listing station codes (CROK, BLOK, OK031, etc.), station names, and various parameters like Az, Phase, ID, Time, Res.

Main table for 2019 JAN section, listing station codes (CCM, 435B, T25A, etc.), station names, and various parameters like Az, Phase, ID, Time, Res.

Table for 860 section, listing station codes (CROK, ADOK, BLOK, etc.), station names, and various parameters like Az, Phase, ID, Time, Res.

KRSC 15 13:34:51.0, 1.1, 54:81N; 164:56E, h59km, 28km, MI3.5

IDC 15 13:34:50.8, 1.8, 54:95N; 164:42E, h0km, mb3.6/3, mbmp3.4/4, ML2.1/1, Error ellipse: s-maj=71.7km

s-min=22.9km az=161.0

ISC 15 13:34:54.8, 1.0, 54:83N; 0:06:164:54E; 0.05, h35km, n25, r1929/31, mb3.6/3, Komandorsky Islands region

Table for 860 section, listing station codes (BKI, KBTR, BZGR, etc.), station names, and various parameters like Az, Phase, ID, Time, Res.

IDC 15 13:42:51.8, 0.9, 54:94N; 164:63E, h0km, mb3.6/13, mbmp3.6/14, ML2.6/1, MS2.4/1, Error ellipse: s-maj=28.3km s-min=16.1km az=154.0

KRSC 15 13:42:52.2, 1.1, 54:82N; 164:71E, h68km, 24km, MI3.7

ISC 15 13:42:54.9, 0.7, 54:91N; 0:05:164:57E; 0.04, h27km, n45, r191/49, mb3.7/13, Komandorsky Islands region

Table for 860 section, listing station codes (BKI, KBTR, BZGR, etc.), station names, and various parameters like Az, Phase, ID, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like H11N2 WAKE ISLAND Hy 35.18 176 T, H11N3 WAKE ISLAND Hy 35.18 176 T, etc.

IDC 15 13:52:12.91.3, 0.07S:98.32E, h0km, mb3.79, mbtmp3.6/11, ML3.4/2, Error ellipse: s-maj=39.6km s-min=19.9km az=61.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like PBI S Pulau Batu, MNSI Mandailing Nat, etc.

IDC 15 13:52:21.4.0.9, 0.15N:075.98E, h34km, M4.0/15, mb4.2/5, MLV4.0/15

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like SNI Sinabang, Aceh, PPSI Pulau Pagai, etc.

IDC 15 14:19:51.7.5.6, 1.580S:173.12W, h147km, 46km, mb3.2/6, mbtmp3.7/7, MS3.0/1, Error ellipse: s-maj=100.0km s-min=23.6km az=148.0

IDC 15 14:19:52.0.1.9, 15.85S:07.7173.1W, 0.4, h150km, n8, az=52.8, mb3.4/6, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like MSVF Nonsavu, WRA Warramunga Arr, etc.

IDC 15 14:38:25.4.8.7, 26.06N:140.66E, h0km, mb3.5/4, s-mtmp3.5/4, Error ellipse: s-maj=350.7km s-min=26.6km az=71.0, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

KURBB Kurchatov Arra 49.10 303 P 0.1nm, 0.4s, baz=94, slow=8.5, SNR=2.1

IDC 15 14:50:06.6.0.9, 22.67S:169.86E, h0km, mb4.2/9, mbtmp4.1/10, ML4.0/1, MS3.4/4, Error ellipse: s-maj=32.2km s-min=20.1km az=178.0

IDC 15 14:50:08.3.0.6, 22.33S:01.16979E, 0.07, h10km, m41, az=150.39, mb4.5/16, 4C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like MARNC Mare, Loyalty, YATENC Mamie plateau, etc.

IDC 15 14:50:11.14.0.0, 17.14 160 LR, comp=Z, 1.14nm, 18.1s, baz=78, slow=35

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like NIUE Niue, STKA Stephens Creek, etc.

IDC 15 14:50:12.91.3, 0.07S:98.32E, h0km, mb3.7/9, mbtmp3.6/11, ML3.4/2, Error ellipse: s-maj=39.6km s-min=19.9km az=61.0

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, etc.

NAO 15 15:05:15.5.1.9, 78.80N:3.93E, ML3.2, FCJAR 15 15:05:19.0, 78.48N:5.84E, h10km, station OMEGA has station magnitude of 3.70 station ZF12 has station magnitude of 3.70

BER 15 15:05:20.0.3.3, 78.83N:4.06E, h27km, 29km, mb(Pn)3.9, ML3.2(NAO), Confirmed Earthquake

KOLA 15 15:05:20.5, 78.74N:5.82E, h0km, ML2.4, Greenland sea, Knipovich ridge, middle, Knipovich ridge, north

DNK 15 15:05:20.1.4.0, 78.85N:4.50E, h36km, 29km, ML2.0, ISC 15 15:05:14.3.1.0, 78.87N:0.06, 3.95E, 0.04, h10km, n32, az=106/1, 1C, Greenland Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like KBS Kingsbay, BRBB Barentsburg B, etc.

HSPB Kurchatov Arra 49.10 303 P 0.1nm, 0.4s, baz=94, slow=8.5, SNR=2.1

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like HOPEN Hopfen, DAG Danmarks Havn, etc.

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

IDC 15 14:50:15.8.0.6, 13.1N:148.8W, h29km, 4km, M4.2/36, MLV4.2/36, Error ellipse: s-maj=10.4km s-min=3.0km

15d 15h

Table with columns: APQ2, APQ2, SBL, TISIN, USUN, MGA, RCFN, NUBE, NUBE, NITC3, LQAL, MRCR, SARH, SARH, SARH, ESQI, ACON, NISHN, JTS, JTS, PETF, TEIG, CMIG, CMIG, 061Z, HNVL, BAUV, BAUV, Y49A, Y49A, TX31, TXAR, HODGE, MIAR, MIAR, SWET, SWET, SGCV, BG3, BG3, CPCT, CPCT, MNHN, MNHN, V53A, LCA, SNO7, W57A, W57A, X34A, U49A, U49A, VHRN, DKNS, DKNS, TZTN, TZTN, T47A, T47A, V58A, SMWD, SMWD, MSTX, MSTX, S39A, S39A, CCM, R40A, SSPA, SSPA, S22A, ETMB, ETMB, PV11, PV10, PV10, SADO, SRU, SRU, BSUT, RSSD, RSSD, RSSD, TCUT, PD31, PDAR, PDAR, HWUT, G62A, LOHW, LOHW, TPWA, MOOW, MOOW, FLYW, NVAR, NVAR, NVAR, YNE, YHL, YHL, GCMT, ULM, ULM, DGMT, HLD, MCMT, LRM, LYMT, D08A, D08A, LTY, LTY, SCHO, SCHO, SCHO, FCC, FCC, YKA

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Table with columns: TAOE, O3ON, O3ON, BCAR, E29M, E29M, F28M, F28M, D27M, D27M, ILAR, ILAR, RND, RND, BMAR, E25K, D25K, D25K, E23K, TOLK, TOLK, C23K, F21K, K15K, NB201, WRA, WRA, ASAR, ASAR, CMAR, CMAR, DJA 15:46:49.1-0.7, 3'S, 4'-12'E, h21km, M3,8/9, m4,5/1, MLV3,5/9, Ceram Sea, Code, Station Name, Az, Phase ID, Time, Res, SPN, SPN, UGLR, AVH, AVH, KRX, KRX, PET, PET, KOT, KOT, BKU, BKU, RUS, RUS, KRMR, KRMR, MTRV, MTRV, KBTR, GRL, GRL, GNL, GNL, KBG, KBG, BZGR, KIRR, KIRR, KPT, KPT, KRSH, KRSH, KXZ, KXZ, APC, APC, SRDR, SRDR, ESO, ESO, SKR, SKR, IDC 15:52:22.6-0.7, 28'10"N, 105'10"E, h0km, mb4.1/18, mbmp4.1/19, ML4.0/1, MS3.3/2, Error ellipse: s-maj=25.0km s-min=14.8km az=52.0, NEIC 15:52:24.8-1.3, 28'13"N, 105'08"E, h10km, 1km, mb4.5/56, Error ellipse: s-maj=15.1km s-min=13.3km, ISC 15:52:24.6-0.5, 28'12"N, 105'01"E, h10km, n86, n58'85, mb4.4/45, Sichuan, Code, Station Name, Az, Phase ID, Time, Res, ENH, HKPS, LSA, UBPT, SONM, SONM, KS19, KS19, KSRS, KSRS, JNU, JNU, JNU, HIA, KKM, MK31, MKAR, MKAR, MKAR, MKAR, USRK, USRK, ZAAO, ZALV, ZALV, KURBB, KURBB, KURBB, KURK, GAR, BVAR, YAK, YAK

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Table with columns: YAK, ABKAR, NRRIK, NRRIK, MTN, MTN, FITZ, FITZ, MBWA, MBWA, BILL, WB0, WB0, WRA, WRA, WB2, WB2, ASF, ASF, AS31, ASAR, BRTR, BRTR, KEV, KEV, AKKB, AKKB, KIEV, KIEV, ARCES, ARCES, FIA1, FIA1, FINE, FINE, CTAO, SPITS, C16K, C16K, C18K, C18K, G16K, G16K, B20K, HFS, L14K, K15K, K15K, E19K, E19K, NC40S, H18K, H18K, B22K, NOA, K17K, C23K, F21K, H18K, E22K, E22K, J20K, E24K, E24K, CAST, CAST, H24K, BMAR, D27M, D27M, SML, E29M, E29M, KLU, KLU, G30M, INK, INK, BMRM, BMRM, L27K, L27K, BCAR, GLB, GLB, DAWY, DAWY, BERG, K29M, K29M, YKA, YKA, HLW 15:59:50.6, 29'49N, 35'28E, h12km, 1km, Md3.8, Ml4.1, SGS 15:59:55.0, 29'47N, 34'95E, h25km, Ml3.6, Gll 15:59:55.2, 0.0, 29'467N, 0.005, 34'973E, 0.001, h16km, WWS, 5.5, confirmed, ISC 15:59:54.6-1.0, 29'45N, 0'02, 34'94E, 0.04, h17km, gkm, n52, -0870/57, SD, Egypt, Code, Station Name, Az, Phase ID, Time, Res, ELOT, EIL, EIL, EIL, EIL, BEOR, BEOR, HBST, HBST, AOJB, JMOS, JMOS, MBRI, MBRI

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mt Berech, Elifaz, Haql, etc.

IDC 15 16:02:27.2, 1.1, 5:97S, 146.91E, h0km, mb3.4/5, mbmp3.5/8, ML3.3/2, MS2.9/2, Error ellipse: s-maj=41.1km

ISC 15 16:02:36.9, 1.0, 6:22S, 0.09N, 146.8E, 0.2, h78km, n10, r146/111, mb3.6/5, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Port Moresby, Alice Springs, etc.

IDC 15 16:06:07.4, 0.9, 33.79N, 90.63E, h0km, mb3.8/7, mbmp3.6/12, ML3.1/4, Error ellipse: s-maj=37.9km

ISC 15 16:06:12.3, 0.9, 33.9N, 0.1, 90.6E, 0.2, h35km, n12, r134/112, mb3.8/6, Qinghai

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Makanchi Array, AAG Agrelo, etc.

NEIC 15 16:20:44.3, 0.5, 18.96N, 0.03, 155.52W, 0.04, h40km, 4km, Error ellipse: s-maj=5.6km s-min=3.5km az=131.0

HVO 15 16:20:45.3, 1.1, 18.90N, 0.06, 155.46W, 0.09, h32km, 6km, ML2.7/26, ML2.6/36(NEIC), Error ellipse: s-maj=12.7km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HVC Haves, KHC Kahuku, etc.

SJA 15 16:30:57.0, 31.11S, 72.01W, h10km, ML3.9, GUC 15 16:31:02.1, 0.8, 31.21S, 71.56W, h63km, 4km, ML3.9

ISC 15 16:30:59.6, 1.5, 31.18S, 0.03, 71.84W, 0.06, h10km, 14km, n46, r162/54, 5C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Froy Jarge, El Pedregal, etc.

IDC 15 16:44:42.5, 0.7, 69.74N, 143.82W, h0km, mb3.9/15, mbmp4.0/20, ML4.0/5, MS3.3/12, Error ellipse: s-maj=16.8km s-min=12.4km az=49.0

AEIC 15 16:44:42.8, 1.2, 69.49N, 0.04, 144.19W, 0.08, h8km, 6km, Error ellipse: s-maj=6.4km s-min=4.1km az=175.0

NEIC 15 16:44:44.7, 1.1, 69.54N, 0.05, 144.18W, 0.06, h10km, 2km, ML4.2/10, Mwr4.0/17, ML4.2(AEIC), Error ellipse: s-maj=8.2km s-min=3.8km az=6.0, Moment Tensor Solution, Moment tensor: Scale 10^19Nm, Mr=0.7, Ms=0.49, Mw=0.62, Mn=0.00, Mm=0.75, Mo=0.63, Fault plane solution: Mw=1.5000, 0.10, NPI=286.3500, 0.55, 91000, 1.179.75000, NP2=16.49000, 889.79000, 1.34.09000, Principal axes: T 1.2550, P1g24.0000, Azm247.0000; N -0.2657, P1g56.0000, Azm17.0000; P

ISC 15 16:44:43.7, 1.1, 69.60N, 0.04, 144.16W, 0.03, h12km, 7km, n331, r195/312, mb4.0/17, MS3.4/10, Northern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Jago River, Kavik River, etc.

15d 18h

comp=Z,86nm,4.5s
ILAR Eielson Array 81.00 5 P 17 19 14.7 +0.3

IDC 15 17:21:30.9,0.9,2.50N,126.28E,h0km,mb3.9/1,
mbtmp3.9/11, Error ellipse: s-maj=94.8km s-min=14.5km
az=71.0

DJA 15 17:21:38.8,0.8,2.2N,121.6E,h20km,mb4.2/16,
mb5.0/2,mb4.27,MLV.1/16,Mw(mb)4.4/2

NEIC 15 17:21:38.7,1.1,2.39N,126.21E,0.07,h57km,9km,
mb4.1/16, Error ellipse: s-maj=14.8km s-min=8.7km
az=212.0

ISC 15 17:21:37.6,0.5,2.39N,126.19E,0.06,h50km,n44,
a154/49,mb4.1/16,Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include SGSI Sangihe, TNTI Ternate, KNTI Cibinong, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include KNRA Kunurra, FITZ Fitzroy Crossi, TPUB Ta-pu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include WB2 Warramunga Arr, WRA Warramunga Arr, WB2 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include AS31 Alice Springs, ASAR Alice Springs, BBOO Bucklebo, etc.

IDC 15 17:28:22.9,2.3,3.52S,145.98E,h0km,mb3.7/4,
mbtmp3.7/6,ML3.5/1, Error ellipse: s-maj=68.6km
s-min=25.4km az=92.0,Near north coast of New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

JMA 15 17:48:37.2,0.4,36.1N,151.14E,h37km,MV2.7/20,FAR
E OFF IBARAKI PREF

IDC 15 17:48:38.9,2.7,35.63N,141.17E,h0km,mb3.3/3,
mbtmp3.2/4,ML1.8/1, Error ellipse: s-maj=76.5km
s-min=30.5km az=50.0

ISC 15 17:48:42.9,1.8,35.68N,141.66E,0.1,h35km,n14,
a159/11,mb3.3/3,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include JHYU Hitachinakyam, BSO3 Boso, JAG Ashikaga, etc.

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H11S2 WAKE ISLAND Hy 28.00 121 T 18 23 24.4
MKAR Makanchi Array 45.01 303 P 17 56 55.9 +1.1

KURBB Kurchatov Arra 46.99 309 P 17 57 11.3 +1.0
WRA Warramunga Arr 55.75 188 P 17 58 16.9 +0.7

HEL 15 18:00:02.8,0.4,67.24N,19.87E,h0km,ML2.3,Explosion
UPP 15 18:00:10.6,0.1,67.05N,20.96E,h0km,ML2.3,Unknown

ISC 15 18:00:10.7,0.7,67.10N,20.02,20.94E,0.02,h0km,n41,
a156/63,Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include DUNU Dundret, MASU Masugnsbyn, ERTU Ertisaerv, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include KLF Kuravaara, KLF Kalfi, KLF Kalix, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include KMF Kaamenen, KMF Raja-Jooseppi, OUF Merijarvi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include VRF Vario, VRF Maaseka, KEV Kevo, etc.

MOS 15 18:06:34.0,1.0,13.36S,166.76E,h49km,mb6.1/70,
MS6.3/50, Error ellipse: s-maj=7.0km s-min=5.3km
az=128.4

ISC-PP 15 18:06:34,13.34S,166.88E,h66km,Mwppsm7.0,Moment
Tensor Solution. s36 Moment tensor: Scale 1019Nm;

NEIC 15 18:06:34.1,13.34S,166.88E,0.08,h35km,1km,
mb6.0/338,Ms 20.6/4993,Mwb6.4/77,Mw6.6/66 Error
ellipse: s-maj=13.8km s-min=11.4km az=62.0,Moment
Tensor Solution. Moment tensor: Scale 1018Nm;

NEIC 15 18:06:34.1,13.36S,166.84E,h46km,
NEIC 15 18:06:34.1,13.36S,166.84E,h46km,Moment
Tensor Solution. Duration: 869 Moment tensor: Scale 1018Nm;

NEIC 15 18:06:34.1,13.36S,166.84E,h46km,
NEIC 15 18:06:34.1,13.36S,166.84E,h46km,Moment
Tensor Solution. Duration: 869 Moment tensor: Scale 1018Nm;

NEIC 15 18:06:34.1,13.36S,166.84E,h46km,
NEIC 15 18:06:34.1,13.36S,166.84E,h46km,Moment
Tensor Solution. Duration: 869 Moment tensor: Scale 1018Nm;

NEIC 15 18:06:34.1,13.36S,166.84E,h46km,
NEIC 15 18:06:34.1,13.36S,166.84E,h46km,Moment
Tensor Solution. Duration: 869 Moment tensor: Scale 1018Nm;

NEIC 15 18:06:34.1,13.36S,166.84E,h46km,
NEIC 15 18:06:34.1,13.36S,166.84E,h46km,Moment
Tensor Solution. Duration: 869 Moment tensor: Scale 1018Nm;

NEIC 15 18:06:34.1,13.36S,166.84E,h46km,
NEIC 15 18:06:34.1,13.36S,166.84E,h46km,Moment
Tensor Solution. Duration: 869 Moment tensor: Scale 1018Nm;

NEIC 15 18:06:34.1,13.36S,166.84E,h46km,
NEIC 15 18:06:34.1,13.36S,166.84E,h46km,Moment
Tensor Solution. Duration: 869 Moment tensor: Scale 1018Nm;

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GCMT 15 18:06:42.3,0.0,13.41S,166.50E,h39km,MW6.5/175,
Moment Tensor Solution. s175,c433, s169,c716;

ISC 15 18:06:36.2,0.3,13.41S,166.31E,0.03,h54km,2km,
h54km;P,P n2094,a191/1835,mb5.9/313,MS6.4/599,
134C-72D,Vanuatu Islands

ISC 15 18:06:36.2,0.3,13.41S,166.31E,0.03,h54km,2km,
h54km;P,P n2094,a191/1835,mb5.9/313,MS6.4/599,
134C-72D,Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include VLAKA Lakatoro, LUES Lueslemba Tem, LUES Lueslemba Tem, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include HNR Honiara, HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include MSFV Nonsavu, MSFV Nonsavu, MSFV Nonsavu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include CTAO Charters Tower, CTAO Charters Tower, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h, m, s, ISC. Rows include RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like COEN, NIUE, WZC, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like LBZ, MLBS, LKRW, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like FITZ, NLAI, LBMI, etc.

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Table with columns: Station, Frequency, Power, Direction, Date, and various status codes. Includes stations like Sunshine Farm, Kevo, Double 'B' Far, Hammerfest, etc.

Table with columns: Station, Frequency, Power, Direction, Date, and various status codes. Includes stations like OTSfield, Extrema, Dye2, Lototen, Scoresbysund, etc.

Table with columns: Station, Frequency, Power, Direction, Date, and various status codes. Includes stations like Vasula, Namsos, Kop Dagge, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SABO M.te Sabotino, SABO M.te Sabotino, SABO comp=E,1510um,0.5s, etc.

IDC 15:18:41.08.59.0,6:80S.154.21E,h99km,64km,mb3.3/5, mbtmp3.7/6,ML1.6/1, Error ellipse: s-maj=78.7km s-min=33.5km az=106.0

ISC 15:18:40.59.4.1,9.63S.0.3.154.7E.0.2,h35km,n7,c#1901/8, mb3.7/5,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other technical details. Includes stations like PMG Port Moresby, PMG 0.5nm,0.3s,baz=13,slow=4.3,SNR=6.2, etc.

WEL 15:18:45.14.2.0.3,42'S.2.17'4E.1, h12km, M2.9/25, ML3.1/15,MLV2.9/25, Error ellipse: s-maj=3.5km s-min=2.6km az=122.0

NOU 15:18:45.19.0,42.33S.173.54E,h16km,MLV3.9/10,9km, NZ Land, New Zealand

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other technical details. Includes stations like KEKS Kakerengu Vall, KEKS KKS, KEKS Kaikoura, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AMCC Amberley, MSWZ Moikau Station, DSZ Denniston Nort, etc.

NEIC 15:18:47.15.7.1.7,17.8S.0.1x178.6W.0.1, h58km,7km, mb4.5/72, Error ellipse: s-maj=16.5km s-min=13.8km az=139.0

IDC 15:18:47.17.0.1.1,17.93S.178.68W,h608km,13km, mb3.5/16,mbtmp4.5/18, Error ellipse: s-maj=22.1km s-min=9.6km az=156.0

NOU 15:18:47.17.3,17.69S.178.43W,h588km,MLV3.9/5, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other technical details. Includes stations like LKBA Tubou, Lakemba, DGTI Dogotuki, MSFV Nonsavu, etc.

MLZ MLZ Mavora Lakes 29.55 199 P Iamb Iamb 15:52 34.1+0.4 15:52 35.6

ARMA ARMA Armidale 29.80 240 P Iamb Iamb 15:52 37.6+1.4 15:52 42.4

RABL RABL Rabaul 31.70 292 P P 15:53 51.5-1.0 15:53 05.8-0.1

CTAO CTAO Charters Tower 33.28 261 P Iamb Iamb 15:53 05.7-0.1 15:53 33.7

CAN Canberra 33.58 232 P P 15:53 03.8-4.3 15:53 36.9+0.8

MANU MANU Manus Island 36.94 291 P P 15:53 37.2+1.1 15:53 37.6+0.9

TOO TOO Toolangi 37.05 231 P P 15:53 47.9-0.6 15:53 48.2-0.3

BB00 BB00 Buckleboe 43.26 241 P Iamb Iamb 15:54 26.9+0.8 15:54 50.1

HMH HMH Humu'ula Sheep 43.63 32 P P 15:54 29.7+0.3 15:54 35.0-0.4

W2 W2 Warramunga Arr 44.46 260 P P 15:56 05.8+0.2 15:54 35.3-0.3

WRA WRA Warramunga Arr 44.47 260 P P 15:56 06.1+0.4 15:54 35.2-0.4

WRA WRA Warramunga Arr 44.47 260 P P 15:56 05.8+0.2 15:54 35.2-0.4

WRA WRA Warramunga Arr 44.47 260 P P 15:56 05.8+0.2 15:54 35.2-0.4

AS31 AS31 Alice Springs 44.63 254 P Iamb Iamb 15:54 37.3+0.4 15:54 38.2

AS31 AS31 Alice Springs 44.63 254 P P 15:56 05.5+0.2 15:54 37.3+0.4

ASAR ASAR Alice Springs 44.63 254 P P 15:54 37.0+0.1 15:56 06.4+0.1

ASAR ASAR Alice Springs 44.63 254 P P 15:56 06.1+0.4 15:54 35.2-0.4

KDU KDU Kakadu 49.39 269 P P 15:54 58.1+0.4 15:55 00.5+0.3

GUM GUM Guam 47.73 309 P P 15:55 05.5+0.3 15:55 08.0

MTN MTN Manton Dam 48.63 268 P Iamb Iamb 15:55 08.0 15:55 07.6-0.3

WTK WTK Warrakura 49.69 252 P P 15:55 15.1+0.4 15:55 16.1+0.3

KNRA comp=Z,1.2nm,0.7s 50.32 264 P P 15:55 19.0-0.3

KNRA Kununurra comp=Z,1.8nm,0.8s 50.41 281 P P 15:55 20.1+0.1 15:55 49.3

FAKI FAKI comp=Z,4.4nm,1.4s 52.86 261 P P 15:55 38.0+0.5 55.90 270 Iamb Iamb 15:56 00.8+1.8 15:56 01.8

FITZ FITZroy Crossi SOEI SOEI comp=Z,3.3nm,0.8s 56.29 283 P P 15:56 43.2-0.4 15:56 01.1-0.5 15:56 45.0

SOEI SOEI Ternate 56.29 283 P P 15:56 43.2-0.4 15:56 01.1-0.5 15:56 45.0

PSA00 PSA00 Pilbara Seismi 57.75 255 P Iamb Iamb 15:56 11.4+0.1 15:56 12.3

MBWA MBWA Marble Bar 57.91 256 P Iamb Iamb 15:56 11.8-0.6 15:56 48.0

NWAO NWAO Narrogin (SRO) 59.07 242 P Iamb Iamb 15:56 20.1+0.1 15:56 32.1

MORW MORW Morawa 60.33 246 P Iamb Iamb 15:56 28.1-0.4 15:56 41.2

TOL12 TOL12 Tolitoli 62.55 281 P Iamb Iamb 15:56 43.2+0.1 15:56 47.3

GIRL GIRL Giralia 62.73 253 P P 15:56 45.2+1.1 65.87 269 P P 15:57 02.8-1.3 66.14 284 P P 15:57 08.9+2.8 15:57 09.4

JGJF JGJF Kuroka 67.62 322 P P 15:57 14.5+0.1 67.79 323 P P 15:57 15.3-0.1

MJAR MJAR Matushiro Arr 67.79 323 P P 15:57 15.3-0.1 67.80 323 P P 15:57 15.4 0.0 15:57 16.2

MAJO MAJO Matushiro 67.80 323 P Iamb Iamb 15:57 15.4 0.0 15:57 16.2

MJB9 MJB9 Matsu-Tunnel 67.80 323 P Iamb Iamb 15:57 16.3+0.9 15:57 17.2

KKM KK M Koto Kinabalu 68.57 284 P Iamb Iamb 15:57 21.0+0.3 15:57 22.1

UAGM UAGM Wangagama 69.48 268 P Iamb Iamb 15:57 25.8-0.3 71.62 303 P Iamb Iamb 15:57 37.6-0.7 15:58 17.1

SSLB SS LB Suanglung 72.09 303 P P 15:57 40.7-0.4 72.11 303 P P 15:57 40.5-0.7 72.51 277 P P 15:57 43.9+0.1 73.62 345 P P 15:57 48.9-0.3 15:58 07.2

PETK PETK Petropavlovsk 73.62 345 P P 15:57 48.9-0.3 73.62 345 P P 15:57 49.2 0.0

KSRS KSRS Korea Array 74.58 318 P P 15:57 55.1+0.3 74.58 318 P P 15:57 55.1+0.3

USRK USRK Ussuriysk Arr 76.51 326 P P 15:58 05.2-0.2 76.51 326 P P 15:58 05.6+0.3

WAKR WAKR Walker 78.83 43 P P 15:58 19.1+0.8 79.00 10 P Iamb Iamb 15:58 17.4-1.0 15:58 36.0

O16K O16K Kokwok River B 79.00 10 P Iamb Iamb 15:58 17.4-1.0 15:58 36.0

YERR YERR Yerington 79.22 43 P P 15:58 20.1-0.2 79.22 43 P P 15:58 19.8+0.2 15:58 21.3

NVAR NVAR Mina Array Bea 79.53 44 P P 15:58 22.9+0.9 79.53 44 P P 15:58 22.9+0.9

O18K O18K Koktuh Hills 79.78 12 P Iamb Iamb 15:58 22.2-0.3 15:59 00.9

M16K M16K Kimberley 80.21 10 P P 15:58 25.7+1.0 80.31 14 P Iamb Iamb 15:58 25.5+0.2 15:58 44.5

ILSW ILSW Iliamna Southw 80.31 13 P P 15:58 25.0-0.4 15:58 51.9

J05D J05D Fort Rock, OR 80.42 39 P P 15:58 27.3+0.8 80.79 9 P Iamb Iamb 15:58 28.2+0.6 15:59 03.3

M17K M17K Holitna River 80.82 10 P Iamb Iamb 15:58 28.5+0.7 15:58 30.0

L18K L18K Granite Mounta 81.71 10 P P 15:58 33.2+0.8 15:58 43.0

UBPT UBPT Khong Chiam 81.77 289 P Iamb Iamb 15:58 33.3-0.4 15:59 09.1

J16K J16K Anvik River 82.13 8 P P 15:58 35.3+0.8 82.45 9 P P 15:58 36.7+0.6 82.45 9 P P 15:58 36.5+0.1 82.57 46 P P 15:58 38.0+0.4 82.83 14 Iamb Iamb 15:58 37.9-0.3 15:58 39.1

J19K J19K Innoko River 82.87 10 P P 15:58 38.3+0.1 83.05 10 P P 15:58 41.1-0.2 84.12 304 P Iamb Iamb 15:58 46.0+0.7 15:58 47.5

RND RND Reindeer 84.29 13 P P 15:58 44.9-0.4 85.60 19 P P 15:58 45.2+0.4 85.61 13 P P 15:58 50.5-1.0 85.61 13 P P 15:58 52.4-0.7

TX31 TX31 Lajitas Arr 86.13 58 P P 15:58 56.0+1.0 86.13 58 P P 15:58 56.2+1.2

PDAR PDAR Pinedale Array 87.46 43 P P 15:59 01.4+0.3 87.46 43 P P 15:59 01.4+0.3

CMAR CMAR Chiang Mai Arr 88.72 290 P P 15:59 08.0+0.7 88.72 290 P P 15:59 08.0+0.7

CHTO CHTO Chiang Mai 88.84 290 P Iamb Iamb 15:59 08.3+0.6 15:59 10.1

SONM SONM Songmo Array 93.43 319 P P 15:59 28.4 0.0 93.43 319 P P 15:59 28.4 0.0

YKA YKA Yellowknife Arr 94.39 25 P P 15:59 32.0-0.3 94.39 25 P P 15:59 32.0-0.3

BVAR BVAR Borovoye Array 116.73 321 PKP PKPdf 19:04 52.4-0.4 116.73 321 PKP PKPdf 19:04 52.4-0.4

ARCES ARCES Arce Array B 126.27 350 PKP PKPdf 19:05 10.7 0.0 126.27 350 PKP PKPdf 19:05 10.7 0.0

FINES FINES Array B 133.13 344 PKPKP PKPPr 19:05 17.4 0.0 133.13 344 PKPKP PKPPr 19:05 17.4 0.0

FINES FINES Array B 133.13 344 PKP PKPdf 19:05 23.4-0.4 133.13 344 PKP PKPdf 19:05 23.4-0.4

HFS HFS Hagfors 136.89 351 PKPKP PKPPr 19:05 23.8 0.0 136.89 351 PKPKP PKPPr 19:05 23.8 0.0

AKASG AKASG Malin Array Be 140.47 332 PKPKP PKPPr 19:05 30.9 0.0 140.47 332 PKPKP PKPPr 19:05 30.9 0.0

SORM SORM Soroca 142.60 330 PKP PKPdf 19:05 38.7-3.1 142.60 330 PKP PKPdf 19:05 42.2+0.4 142.60 330 PKP PKPdf 19:05 44.0-0.0 143.77 251 PKP PKPdf 19:05 42.8-0.8 143.99 336 PKP PKPdf 19:05 45.8-0.2 144.52 332 PKP PKPdf 19:05 46.9+0.8 144.65 315 PKP PKPdf 19:05 45.3-0.4 144.65 315 PKP PKPdf 19:05 45.2 0.5 144.65 315 PKP PKPdf 19:05 46.1 0.0 144.83 326 PKP PKPdf 19:05 47.7+0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TPGR Topolog, VRI Vriociaia, HARR Harsovia, etc.

IDC 15 19:14:23.41.1.9.56S.149.37E, h0km, mb3.8/7, mbmp3.9/10, ML3.5/2 Error ellipse: s-maj=26.5km s-min=21.1km

ISC 15 19:14:28.5.1.0.9.69S.149.42E.0.1, h35km, n11, r135/12, mb3.9/G, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG Port Moresby, CTCT Charters Tower, WRA Warramunga Arr, etc.

SNET 15 19:46:30.3.1.1.13.15N.89.79W, h26km, 3km, ML4.1, GCG 15 19:46:30.7.1.2.13.23N.89.89W, h27km, 8km, MD4.3

CATAC 15 19:46:32.2.1.1.13.17N.9.0W, h22km, 4km, M4.1/25, MLV4.1/25, Error ellipse: s-maj=19.1km s-min=7.4km

IDC 15 19:46:37.8.2.4.1.13.80N.89.68W, h93km, 24km, mb3.4/5, mbmp3.8/7, Error ellipse: s-maj=50.8km s-min=18.5km

ISC 15 19:46:30.5.1.6.13.16N.0.06E.89.80W.0.05, h29km, 11km, n70, r102/83, mb3.9/A, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LALI Alcalda de L, CEVE Cerro Verde, ITCA Escuela Especi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like COEG Centro de Oper, TESCO Alcadia de Te, UCV Universidad de, etc.

MOS 15 20:03:16.5.1.1.6.01N.126.87E, h41km, mb6.1/50, M55.0/11, Error ellipse: s-maj=7.8km s-min=4.0km

BUI 15 20:03:18.5.5.81N.127.10E, h75km, mB5.9/52, MB5.9/52, Ms7.5/191

MAN 15 20:03:19.2.5.77N.127.00E, h50km, mb6.2, ML5.3, M55.8 Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

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NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSAI Masochi, AAI Aumob, PCI Palu, etc.

MOS 15 20:03:16.5.1.1.6.01N.126.87E, h41km, mb6.1/50, M55.0/11, Error ellipse: s-maj=7.8km s-min=4.0km

BUI 15 20:03:18.5.5.81N.127.10E, h75km, mB5.9/52, MB5.9/52, Ms7.5/191

MAN 15 20:03:19.2.5.77N.127.00E, h50km, mb6.2, ML5.3, M55.8 Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

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NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

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NEIC 15 20:03:20.2.5.80N.126.90E, h60km, Moment Tensor Solution. Duration: 367 Moment tensor: Scale 1017Nm

15d 20h

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Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNRf, SNRr, SNRt, SNRb, SNRc, SNRd, SNRe, SNRf, SNRg, SNRh, SNRi, SNRj, SNRk, SNRl, SNRm, SNRn, SNRo, SNRp, SNRq, SNRr, SNRs, SNRt, SNRu, SNRv, SNRw, SNRx, SNRy, SNRz).

E18K	Tukpahlearik C	77.91	22	Iamb	Iamb	20 15 34.2
E18K	Tukpahlearik C	77.91	22	P	P	20 15 11.8 +0.7
Q16K	King Salmon	77.95	31	P	P	20 15 11.1 -0.4
B18K	Kokolik River	77.97	20	P	P	20 15 12.4 +0.9
N17K	Nushagak Hills	77.98	29	Iamb	Iamb	20 15 36.0
N17K	Nushagak Hills	77.98	29	P	P	20 15 12.2 +0.5
C18K	Utukok River	78.00	21	P	P	20 15 11.7 -0.1
M17K	Hoitina River	78.00	28	P	P	20 15 11.3 -0.5
M17K	Hoitina River	78.00	28	Iamb	Iamb	20 15 35.6
M17K	Hoitina River	78.00	28	P	P	20 15 12.3 +0.5
AKT	Akhty	78.02	31	iP	P	20 15 13.2 +0.7
AKT	Akhty			e		20 15 25.2
AKT	Akhty			ePPP	PPP	20 18 13.6
AKT	Akhty			eS	S	20 20 05.4
AKT	Akhty			eSS	SS	20 24 58.6 -2.3
AKT	Akhty			eSSS	SSS	20 25 29.2 +3.0
AKT	Akhty			pmx	pmx	
F18K	Selawik	78.08	23	P	P	20 15 12.3 +0.2
CHIR	Chirikof Islan	78.12	34	P	P	20 15 12.1 -0.4
P17K	Kvichak River	78.14	31	P	P	20 15 12.2 -0.4
MAK	Makhachkala	78.26	31	d/iP	P	20 15 12.9 -0.7
MAK	Makhachkala			e'PP	PP	20 15 31.2 -0.7
MAK	Makhachkala			e		20 18 10.3
MAK	Makhachkala			ePPP	PPP	20 19 58.5
MAK	Makhachkala			eS	S	20 20 05.4 +0.9
MAK	Makhachkala			eSS	SS	20 25 32.8 -3.0
MAK	Makhachkala			eSSS	SSS	20 30 05.9 -0.7
MAK	Makhachkala			eSSS	SSS	20 33 31.9
MAK	Makhachkala			pmx	pmx	
MAK	Makhachkala			MLR	MLR	
H18K	Honhosa River	78.29	25	Iamb	Iamb	20 15 36.8
H18K	Honhosa River	78.29	25	P	P	20 15 12.8 -0.6
Q17K	Contact Creek	78.30	32	P	P	20 15 12.3 -1.3
G18K	Tagagawik	78.32	24	P	P	20 15 12.8 -0.7
A19K	Wainwright	78.44	19	P	P	20 15 14.9 +0.9
K19V	Kirov	78.48	32	P	P	20 15 14.6 +0.1
K19V	Kirov			comp=Z,202nm,0.7s,baz=110,slow=1.9,SNR=52	LR	20 52 47.7
L18K	Granite Moun	78.49	28	P	P	20 15 15.1 +0.6
N18K	Kilae Creek	78.63	29	P	P	20 15 15.1 -0.2
J18K	Innoko River	78.69	26	P	P	20 15 16.0 +0.4
J18K	Innoko River	78.69	26	P	P	20 15 15.7 +0.2
M18K	Stony River	78.78	28	P	P	20 15 14.9 -1.2
P18K	Big Mountain	78.78	31	P	P	20 15 15.4 -0.8
Q18K	Katmai Hardscr	78.80	31	P	P	20 15 16.3 -0.1
BELG	Belogomye	78.82	32	P	P	20 15 16.6 +0.1
BELG	Belogomye			comp=Z,299nm,0.9s,baz=305,slow=1.2,SNR=93	LR	20 53 05.3
BELG	Belogomye			comp=Z,522nm,19.4s,baz=94,slow=38		
BELG	Belogomye			comp=Z,202nm,0.7s		
BELG	Belogomye			comp=Z,299nm,0.9s		
BELG	Belogomye			comp=Z,44nm,1.0s	pmx	pmx
G18K	Galena City Sc	78.83	25	P	P	20 15 16.7 +0.4
OCSA	Koktuh Hills	78.86	30	Iamb	Iamb	20 15 39.9
O18K	Koktuh Hills	78.86	30	P	P	20 15 16.2 -0.4
F19K	Shalereukik Mo	78.86	23	P	P	20 15 16.1 -0.3
TTA	Tatalina	78.91	27	P	P	20 15 16.3 -0.6
TTA	Tatalina	78.91	27	P	P	20 15 17.2 +0.3
TTA	Tatalina	78.91	27	P	P	20 15 19.0 +2.1
TTA	Tatalina	78.91	27	P	P	20 15 16.3 -0.6
TTA	Tatalina			pmx	pmx	
R18K	Karluk	78.97	33	P	P	20 15 17.0 -0.1
G19K	Purcell Moun	79.00	24	Iamb	Iamb	20 15 40.0
G19K	Purcell Moun	79.00	24	P	P	20 15 17.4 +0.2
SII	Sitkinak Islan	79.00	34	P	P	20 15 17.2 -0.2
D19K	Kuna River	79.06	21	Iamb	Iamb	20 15 42.9
D19K	Kuna River	79.06	21	P	P	20 15 18.0 +0.5
H19K	Roundabout Mou	79.15	24	Iamb	Iamb	20 15 41.2
H19K	Roundabout Mou	79.15	24	P	P	20 15 18.7 +0.7
E19K	Redstone River	79.19	22	Iamb	Iamb	20 15 41.9
E19K	Redstone River	79.19	22	P	P	20 15 18.4 +0.1
J19K	Poorman	79.25	26	P	P	20 15 18.8 +0.2
L19K	White Mountain	79.34	28	Iamb	Iamb	20 15 42.5
L19K	White Mountain	79.34	28	P	P	20 15 18.8 -0.4
N19K	Bonanza Creek	79.34	29	P	P	20 15 18.9 -0.4
N19K	Bonanza Creek			comp=Z,327nm,1.9s	Iamb	20 15 43.5
N19K	Bonanza Creek	79.34	29	P	P	20 15 18.9 -0.4
O19K	Port Aisworth	79.34	30	Iamb	Iamb	20 15 42.0
O19K	Port Aisworth	79.34	30	P	P	20 15 19.5 +0.4
M19K	Big River Lodg	79.52	28	P	P	20 15 20.0 -0.1
Q19K	Cape Douglas	79.54	31	P	P	20 15 20.3 0.0
OHAK	Old Harbor	79.56	33	P	P	20 15 20.1 -0.3
D20K	Eivluk River	79.65	21	P	P	20 15 20.4 -0.3
F20K	Avaraart Lake	79.69	23	P	P	20 15 20.6 -0.3
B20K	Meade River	79.70	20	P	P	20 15 20.9 0.0
B20K	Meade River	79.70	20	P	P	20 15 21.0 +0.1
E20K	Nigu River	79.72	22	P	P	20 15 21.5 +0.3
H20K	Anotleneega Mo	79.79	25	P	P	20 15 22.0 +0.5
RAYN	Ar Rayn	79.81	29	P	P	20 15 21.9 -0.6
RAYN	Ar Rayn			Iamb	Iamb	20 15 25.4
RAYN	Ar Rayn	79.81	29	P	P	20 15 22.3 -0.3
RAYN	Ar Rayn	79.81	29	P	P	20 15 21.9 -0.6
RAYN	Ar Rayn			pmx	pmx	
RAYN	Ar Rayn	79.81	29	iP	P	20 15 22.0 -0.6
L20K	Farewell, AK	79.83	28	P	P	20 15 21.3 -0.5
P19K	Oil Pt	79.83	31	P	P	20 15 21.1 -0.8
K20K	Telida	79.85	27	Iamb	Iamb	20 15 45.4
K20K	Telida	79.85	27	P	P	20 15 21.8 -0.1
I20K	Naaghedeneel	79.86	25	P	P	20 15 22.0 +0.1

J20K	Novinta River	79.92	26	P	P	20 15 23.0 +0.8
J20K	Novinta River			Iamb	Iamb	20 15 45.6
J20K	Novinta River			comp=Z,88nm,1.1s		
K20K	Kodiak Island	79.92	26	P	P	20 15 22.5 +0.3
K20K	Kodiak Island	79.92	26	P	P	20 15 22.7 0.0
K20K	Kodiak Island			Iamb	Iamb	20 15 58.9
K20K	Kodiak Island			comp=Z,117nm,1.2s		
K20K	Kodiak Island	79.92	32	LR	LR	20 45 35.5
K20K	Kodiak Island			comp=Z,21m,21.6s,baz=323,slow=32		
K20K	Kodiak Island	79.92	32	P	P	20 15 23.0 +0.3
K20K	Kodiak Island			baz=265		
K20K	Kodiak Island	79.92	32	iP	P	20 15 23.2 +0.5
K20K	Kodiak Island			pmx	pmx	
M20K	Styx River	80.11	28	Iamb	Iamb	20 16 04.1
M20K	Styx River			comp=Z,40nm,1.0s		
M20K	Styx River			comp=Z,200nm,1.4s		
M20K	Styx River	80.11	28	P	P	20 15 23.5 +0.1
M20K	Styx River			baz=264		
A21K	Barrow	80.13	19	P	P	20 15 23.3 +0.1
Q20K	Shuyak Island	80.16	32	P	P	20 15 22.9 -0.7
Q20K	Slope Mountain	80.17	30	P	P	20 15 22.7 -1.1
Q20K	Slope Mountain			baz=265		
GNI	Garni	80.25	310	P	P	20 15 25.9 +1.2
GNI	Garni			LR	LR	20 57 35.2
GNI	Garni			comp=Z,366nm,18.2s,baz=72,slow=41		
GNI	Garni	80.25	310	P	P	20 15 26.1 +1.4
GNI	Garni			comp=Z,475nm,1.7s		
GNI	Garni	80.25	310	P	P	20 15 26.0 +1.2
C21K	Knifeblade Rid	80.37	21	P	P	20 15 24.5 -0.1
SPCR	Spurr Chakacha	80.48	29	P	P	20 15 24.0 -1.4
G21K	Allakaket	80.48	24	Iamb	Iamb	20 15 49.0
G21K	Allakaket			comp=Z,107nm,1.1s		
G21K	Allakaket	80.48	24	P	P	20 15 24.5 -0.7
F21K	Alatna River	80.58	23	P	P	20 15 25.7 -0.1
A22K	Sinclair Lake	80.60	19	P	P	20 15 26.0 +0.2
HOM	Home	80.63	31	P	P	20 15 25.1 -1.0
HOM	Home			baz=266		
PPLA	Purkypile	80.64	27	P	P	20 15 26.4 0.0
H21K	Melozna Rive	80.66	24	Iamb	Iamb	20 15 49.5
H21K	Melozna Rive			comp=Z,108nm,1.1s		
H21K	Melozna Rive	80.66	24	P	P	20 15 26.1 -0.2
CHUM	Lake Minchum	80.69	26	P	P	20 15 26.5 +0.2
STLK	Strandline Lak	80.69	29	P	P	20 15 25.1 -1.4
CAST	Castle Rocks	80.74	27	P	P	20 15 26.0 -0.7
SKT	Skvertina	80.87	28	P	P	20 15 26.9 -0.5
I21K	Tanana	80.96	25	Iamb	Iamb	20 15 51.6
I21K	Tanana			comp=Z,144nm,1.0s		
I21K	Tanana	80.96	25	P	P	20 15 28.2 +0.4
CAPN	Captain Cook N	80.96	29	P	P	20 15 28.0 +0.2
B22K	Teshepkuk Lake	81.02	20	P	P	20 15 27.2 -0.7
B22K	Teshepkuk Lake			Iamb	Iamb	20 15 50.7
B22K	Teshepkuk Lake			comp=Z,100nm,1.1s		
B22K	Teshepkuk Lake	81.02	20	P	P	20 15 27.9 0.0
BRSE	Bradley Lake S	81.09	31	P	P	20 15 28.4 -0.2
NCK	Nackchik	81.13	31	iP	P	20 15 28.9 -0.3
NCK	Nackchik			pmx	pmx	
SUA	Susitna One	81.20	29	Iamb	Iamb	20 15 52.6
SUA	Susitna One			comp=Z,39nm,0.8s		
SUA	Susitna One	81.20	29	P	P	20 15 28.7 -0.7
H22K	Ishatitina Cre	81.27	24	P	P	20 15 29.7 +0.2
BPAW	Bear Paw Mtn.	81.29	26	P	P	20 15 29.2 -0.4
G22K	Bettles	81.32	23	P	P	20 15 30.2 +0.5
E22K	Anaktuvuk Pass	81.32	22	Iamb	Iamb	20 15 53.4
E22K	Anaktuvuk Pass			comp=Z,138nm,1.1s		
E22K	Anaktuvuk Pass	81.32	22	P	P	20 15 29.8 0.0
CUT	Chulitna	81.49	28	P	P	20 15 30.0 -0.7
M22K	Willow	81.52	29	P	P	20 15 30.0 -0.8
GOF	Goltskoye	81.53	31	iP	P	20 15 32.0 +0.7
TRF	Thorfare Moun	81.55	27	P	P	20 15 29.7 -1.5
KBZ	Khabaz	81.64	31	P	P	20 15 32.4 +0.6
KBZ	Khabaz			comp=Z,60nm,1.1s,baz=89,slow=3.4,SNR=64	LR	20 56 15

I26K	Coal Creek Min baz=272	84.67	25	P	P	20 15 46.8	-0.2
L26K	Log Cabin Wild baz=272,SNR=13 Moscow	84.69	27	P	P	20 15 47.0	-0.2
MOS		84.77	325	e	P	20 15 45.4	-2.3
MOS				e	P	20 16 05.7	
MOS				eS	SKSac	20 18 58.3	
MOS				eS	PnS	20 26 05.3	-0.3
MOS				ePS	PnS	20 27 03.7	-9.4
MOS	comp=Z,1µm,1.7s				pmax		
MOS	comp=N,118nm,0.9s				pmax		
MOS	comp=E,148nm,0.9s				pmax		
MOS	comp=Z,3µm,2.4s				pmax		
MOS	comp=N,400nm,1.6s				pmax		
MOS	comp=E,1µm,2.7s				pmax		
M26K	Nabesna, AK	84.88	28	P	P	20 15 48.0	-0.2
M26K				I	Iamb	20 16 41.7	
M26K	Nabesna, AK baz=273	84.88	28	P	P	20 15 48.3	+0.1
E27K	Coleen River comp=Z,92nm,1.1s	85.14	22	I	Iamb	20 16 12.4	
E27K	Coleen River baz=274	85.14	22	P	P	20 15 50.0	+0.6
G27K	Doyon Strip comp=Z,77nm,1.3s	85.20	23	P	P	20 16 27.2	
G27K	Doyon Strip baz=274	85.20	23	P	P	20 15 50.3	+0.5
H27K	Steamboat Moun baz=274	85.29	24	P	P	20 15 50.7	+0.5
D27M	Malcolm River comp=Z,133nm,1.3s	85.30	21	I	Iamb	20 16 14.1	
D27M	Malcolm River baz=274	85.30	21	P	P	20 15 50.4	+0.2
I27K	Kandik River baz=274	85.30	25	P	P	20 15 50.6	+0.4
L27K	Beaver Creek, baz=274	85.38	27	P	P	20 15 51.2	+0.6
BCAR	Beaver Creek A	85.39	27	P	P	20 15 51.0	+0.2
M27K	Edge Creek, AK	85.40	28	P	P	20 15 50.7	-0.3
OBN	Obninsk	85.41	325	P	P	20 15 50.8	0.0
OBN	Obninsk	85.41	325	P	P	20 15 50.9	0.0
OBN	comp=Z,392nm,1.1s,baz=44,slow=2.0,SNR=50				LR	20 56 49.8	
OBN	comp=Z,790nm,19.9s,baz=90,slow=38				LR		
OBN	Obninsk	85.41	325c	i	P	20 15 51.0	+0.1
OBN				i	P	20 16 02.1	
OBN				i	P	20 16 08.1	
OBN				i	P	20 19 10.3	
OBN	comp=Z,527nm,1.2s				pmax		
OBN	comp=Z,766nm,19.0s				MLR		
LVZ	Lovozero	85.44	338	P	P	20 15 50.8	-0.1
LVZ				I	Iamb	20 15 57.9	
LVZ	comp=Z,81nm,1.1s	85.44	338	P	P	20 15 50.8	-0.1
LVZ				pmax	pmax		
ANN	Anapa	85.52	314c	i	P	20 15 50.9	-0.8
ANN				e	PP	20 16 08.9	-1.3
ANN				eS	SKSac	20 26 09.4	-1.4
ANN	comp=Z,794nm,1.4s				pmax		
ANN	comp=E,180nm,1.6s				pmax		
VNDA	Vanda	85.53	173	P	P	20 15 52.0	+1.0
VNDA	comp=N,38nm,1.0s,baz=321,slow=5.8,SNR=24				LR	20 54 05.3	
EGAK	Eagle	85.57	25	P	P	20 15 50.6	-0.8
EGAK				I	Iamb	20 16 14.0	
EGAK	comp=Z,121nm,1.8s	85.55	25	P	P	20 15 51.2	-0.2
PPT	Papeete	85.61	108	LR	LR	20 48 59.8	
PPT2	Papeete2	85.61	108	eLR	LR	20 42 53.2	
PPT2	comp=Z,2µm,28.0s				LR	20 43 00.7	
PAE	Paea	85.62	108	eLR	LR	20 42 49.6	
MAW	Mawson	85.82	200	P	P	20 15 54.2	+1.6
F28M	Old Crow	85.83	23	P	P	20 15 53.0	+0.2
BVCY	Beaver Creek baz=275,SNR=55	85.87	28	P	P	20 15 54.0	+0.9
E28M	Babbage River baz=275,SNR=66	85.87	22	I	Iamb	20 16 30.9	
E28M	Babbage River comp=Z,198nm,1.9s	85.87	22	P	P	20 15 53.5	+0.6
APA	Apatity	85.94	337	i	P	20 15 55.3	+2.0
APA				i	S	20 19 11.2	
APA				i	SS	20 26 21.0	0.0
APA				i	SS	20 32 06.0	+6.5
APA	comp=Z,49nm,0.8s				pmax		
APA	comp=Z,2µm,21.0s				MLR		
TVO	Taravao	85.94	108	eLR	LR	20 42 55.9	
KHAM	Kharkiv	86.01	320	P	P	20 15 53.7	-0.1
I28M	Miner Creek	86.01	25	P	P	20 15 53.9	+0.1
I28M				I	Iamb	20 16 17.1	
I28M	comp=Z,60nm,0.8s	86.01	25	P	P	20 15 54.2	+0.4
D28M	Stokes Point baz=275	86.08	21	P	P	20 15 53.9	0.0
YUK3	Moose Creek baz=275	86.11	28	P	P	20 15 54.9	+0.4
O28M	Mount Upton baz=275	86.33	29	P	P	20 15 56.1	+0.4
P1NM	Pinnacle baz=275	86.36	30	P	P	20 15 54.8	-0.8
DAWY	Dawson baz=276,SNR=11	86.38	26	P	P	20 15 56.1	+0.5
YUK8	Steele Glacier baz=276	86.49	29	P	P	20 15 57.1	+0.7
E29M	Blow River baz=277	86.49	22	P	P	20 15 56.4	+0.4
TBI	Tubuai	86.49	114	eLR	LR	20 43 22.2	
TBI	comp=Z,11µm,27.5s				LR	20 43 23.3	
H29M	Whitestone comp=Z,62nm,1.2s	86.57	24	I	Iamb	20 16 45.1	
H29M	Whitestone baz=277	86.57	24	P	P	20 15 56.5	+0.1
G29M	Pine Creek comp=Z,59nm,0.8s	86.62	23	I	Iamb	20 16 18.9	
G29M	Pine Creek baz=277	86.62	23	P	P	20 15 56.2	-0.5
J29N	Klondike Camp baz=277	86.84	26	P	P	20 15 57.9	+0.1
ASF	Jabal al Asfar comp=Z,205nm,18.2s,baz=153,slow=4.1	86.91	302	LR	LR	21 02 54.5	
M29M	Somme Creek baz=277	86.97	28	P	P	20 15 58.2	-0.4
YUK4	Talbot Arm baz=277	87.02	29	P	P	20 15 59.4	+0.4
L29M	L29M baz=277	87.05	27	P	P	20 15 59.4	+0.5
VADS	Vadso	87.08	340	eP	P	20 15 58.9	+0.1
VADS				I	Iamb	20 16 03.2	
VADS	comp=Z,130nm,1.4s				LR		
PLTM	Poltava	87.09	319	P	P	20 15 59.2	-0.1
O29M	Mount Kennedy	87.17	30	P	P	20 15 58.7	+0.9
O29M	Mount Kennedy baz=277	87.17	30	P	P	20 16 00.7	+1.0
VAH	Vaihoa	87.18	106	eLR	LR	20 43 38.4	
YUK6	Outpost Mounta	87.20	29	P	P	20 15 59.3	-0.6

EPYK	Eagle Plains baz=277	87.21	24	P	P	20 15 58.4	-1.2
K29M	Barlow Dome baz=278,SNR=7.4	87.22	26	P	P	20 15 59.8	0.0
G30M	Aoh Zraii Nji baz=279	87.32	23	P	P	20 15 59.8	-1.2
DIKM	Dikmen	87.36	311	i	P	20 16 01.9	+1.1
F30M	Barrier River baz=279	87.39	22	P	P	20 15 59.5	-0.8
I30M	Mount Dempster baz=278	87.52	25	P	P	20 16 00.6	-0.6
HYT	Haines Junctio baz=278	87.63	29	P	P	20 16 01.0	-0.8
J30M	Hart River	87.63	25	P	P	20 16 02.2	+0.4
J30M	Hart River baz=279	87.63	25	P	P	20 16 01.1	-0.7
P29M	Windy Craggy baz=278	87.68	30	P	P	20 16 01.7	-0.3
M30M	Minto, Yukon baz=278	87.72	27	P	P	20 16 01.1	-1.0
N30M	Aishkik Lake baz=279	87.75	29	P	P	20 16 01.0	-1.3
SIM	Simferopol'	87.86	315	eP	P	20 16 03.5	+0.4
SIM				pmax	pmax		
KEY	Kevo	87.94	340	P	P	20 16 03.2	+0.3
KEY	Kevo	87.94	340	P	P	20 16 03.2	+0.3
MAYO	Mayo, Yukon comp=Z,38nm,1.0s	87.98	26	P	P	20 16 03.4	+0.1
BALJ	Balga comp=Z,131nm,1.4s	87.98	302	I	Iamb	20 16 06.6	
P30M	Million Dollar baz=278	88.00	30	P	P	20 16 04.0	+0.5
G31M	Satah River comp=Z,61nm,1.0s	88.08	23	P	P	20 16 02.1	-1.5
G31M	Satah River baz=280,SNR=10.0	88.08	23	P	P	20 16 03.4	-0.2
MMAI	Motus Meron Ar comp=Z,13nm,0.5s,baz=74,slow=6.2,SNR=25	88.09	303	P	P	20 16 05.5	+0.9
MMAI				LR	LR	21 01 11.3	
INX	Inuvik comp=Z,508nm,19.7s,baz=64,slow=39	88.11	22	P	P	20 16 03.6	-0.1
F31M	Tsigichtic baz=281,SNR=16	88.11	22	P	P	20 16 03.7	-0.5
H31M	Peel River baz=280	88.26	24	P	P	20 16 03.9	-0.7
PUL	Pulkovo	88.27	330c	eP	P	20 16 05.6	+0.9
PUL				pmax	pmax		
O30N	Mendenhall comp=Z,171nm,0.6s	88.33	29	P	P	20 16 04.0	-1.1
N31M	Braeburn, Yuko baz=279	88.36	28	P	P	20 16 04.9	-0.2
PLBC	Pleasant Camp baz=279	88.39	30	P	P	20 16 05.4	+0.1
SPB2	Spitsbergen Ar comp=Z,87nm,1.1s	88.41	349	I	Iamb	20 16 27.8	
SPA0	Spitsbergen Ar	88.41	349	eP	P	20 16 05.0	-0.1
SPA0				I	Iamb	20 16 08.7	
SPITS	Spitsbergen Ar comp=Z,172nm,1.7s	88.41	349	P	P	20 16 04.5	-0.6
SPITS	Spitsbergen Ar comp=Z,4.4nm,0.3s,baz=96,slow=7.6,SNR=24			LR	LR	21 01 45.5	
ARA0	ARCESS Array S comp=Z,197nm,1.4s	88.50	340	eP	P	20 16 05.2	-0.4
ARA0				I	Iamb	20 16 10.2	
ARCES	ARCESS Array B comp=Z,20nm,0.5s,baz=82,slow=5.7,SNR=124	88.50	340	P	P	20 16 04.6	-1.0
ARCES				LR	LR	20 58 47.0	
KIRS	Kireshir-Merke comp=Z,754nm,19.8s,baz=89,slow=38	88.64	309	i	P	20 16 07.1	0.0
S31K	Pelican comp=Z,20nm,0.5s	88.69	32	P	P	20 16 06.3	-0.4
BR131	Keskin Array S comp=Z,47nm,0.9s	88.79	310	I	Iamb	20 16 09.6	
BR131	Keskin Array S	88.79	310	i	P	20 16 07.1	-0.7
BRTR	Keskin Array B	88.79	310	P	P	20 16 06.9	-0.9
BRTR	Keskin Array B	88.79	310	P	P	20 16 07.1	-0.7
BRTR	comp=Z,25nm,0.8s,baz=126,slow=4.7,SNR=62			LR	LR	21 00 22.8	
BRTR	comp=Z,229nm,21.7s,baz=77,slow=39			LR	LR		
BRTR	Keskin Array B	88.79	310	i	P	20 16 07.5	-0.3
BRTR				pmax	pmax		
EIL	Eilat	88.82	300	LR	LR	21 02 40.1	
HAMF	Hammerfest comp=Z,593nm,18.5s,baz=90,slow=40	88.84	341	eP	P	20 16 07.0	-0.2
HAMF				I	Iamb	20 16 11.4	
M31M	Drury Creek, Y baz=280						

Main table containing astronomical data for January 2019, including object names, coordinates, magnitudes, and other parameters. The table is organized into columns and rows, with some rows containing multiple objects or specific details.

JMA 15 20:20:15.8:0.1, 387.7N, 0:2:142.2E:0.7, h38km, 1km, M03, 9:40, M14, 2:40, E OFF MIYAGI PREF. JMA Feil Ji I at E OFF MIYAGI PREF. JDC 15 20:20:16.0:0.9, 387.68N, 142.15E, h46km, 9km, mb3.4/8, s-mbj=3.7/10, ML3.1/2, Error ellipse: s-maj=2.4km s-min=1.8 km az=83.0. ISC 15 20:20:16.5:0.9, 387.74N, 0:05:142.21E:0.08, h42km, 8km, n25, +i53/33, mb3.7/8, 15D, Near east coast of eastern Honshu

Code Station Name A^ AZ^ Op Phase ID C Time Res h s ISC Code Station Name A^ AZ^ Op Phase ID C Time Res h s ISC

Table with columns for station name, frequency, mode, and signal strength. Includes stations like CPSPB Cacapava Do Su, PLCA Paso Flores, PLCA Paso Flores, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like ANMO Albuquerque, ANMO Albuquerque, ANMO Tucson, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like FFC Fin Flon, FFC Fin Flon, FFC Moxie City, etc.

O30N	Mendenhall baz=123,SNR=5.3	82.58	335	P	P	20 36 25.1 +0.7
P29M	Windy Craggy baz=122	82.66	334	P	P	20 36 26.0 +1.2
MVO	Mancorvo	82.67	46	eP	pP	20 36 26.7 +1.3
MVO						20 36 42.8 +1.1
M31M	Drury Creek, Y baz=125,SNR=8.4	82.71	337	P	P	20 36 25.6 +0.6
N31M	Braburn, Yuko baz=124,SNR=9.1	82.85	336	P	P	20 36 26.4 +0.7
PBRG	Braganca	83.08	46	eP	i Amb	20 36 28.9 +1.5
PBRG						20 36 31.9
	comp=Z,27nm,1.4s					
PBRG	Haines Junctio baz=122	83.19	335	eP	P	20 36 45.0 +1.3
TORD	Torodi Ar. Bea	83.19	76	P	P	20 36 28.8 +0.3
	comp=Z,12nm,0.9s,baz=283,slow=4.3,SNR=31					
TORD						20 36 44.4 -0.5
	comp=Z,16nm,0.8s,baz=295,slow=4.4,SNR=15					
	comp=Z,12nm,0.9s					
N30M	Aishkik Lake comp=Z,11nm,0.9s	83.36	336	I Amb	I Amb	20 36 30.7
N30M	Aishkik Lake baz=122	83.36	336	P	P	20 36 29.7 +1.3
YUK6	Outpost Mounta baz=121,SNR=5.7	83.61	335	P	P	20 36 30.7 +0.7
M30M	Minto, Yukon	83.85	337	P	P	20 36 30.9 0.0
M30M						20 36 32.2
	comp=Z,25nm,1.4s					
M30M	Minto, Yukon comp=Z,123,SNR=7.7	83.85	337	P	P	20 36 31.4 +0.5
YUK4	Talbot Arm baz=121,SNR=12	83.94	335	P	P	20 36 32.4 +0.9
MAYO	Mayo, Yukon baz=124	84.07	338	P	P	20 36 32.8 +0.9
PAB	San Pablo	84.13	49	P	P	20 36 33.0 +0.1
PAB						20 36 50.8
	comp=Z,21nm,0.8s					
PAB	San Pablo	84.13	49	P	P	20 36 33.3 +0.1
PAB						
	comp=Z,21nm,0.9s					
O28M	Mount Upton baz=120	84.29	334	P	P	20 36 34.8 +1.3
YUK8	Steele Glacier baz=120,SNR=5.1	84.37	335	P	P	20 36 34.6 +0.7
M29M	Somme Creek comp=Z,18nm,0.8s	84.43	336	I Amb	I Amb	20 36 35.8
M29M	Somme Creek baz=121	84.43	336	P	P	20 36 34.9 +1.0
ESDC	Sonsecra Army comp=Z,10nm,1.0s,baz=267,slow=5.1,SNR=37	84.45	49	P	P	20 36 35.6 +1.1
ESDC						20 36 49.6 -1.2
	comp=Z,11nm,0.8s,baz=258,slow=4.0,SNR=17					
	comp=Z,10nm,1.0s					
ESB8	Sonsecra Army	84.45	49	P	P	20 36 34.1 -0.4
L29M	L29M	84.63	337	I Amb	I Amb	20 36 36.6
	comp=Z,35nm,1.0s					
L29M	L29M baz=122	84.65	337	P	P	20 36 36.0 +1.0
J30M	Hart River comp=Z,26nm,1.3s	84.77	339	I Amb	I Amb	20 36 38.1
J30M	Hart River baz=124	84.77	339	P	P	20 36 36.6 +1.0
H31M	Peel River comp=Z,28nm,1.2s	84.78	340	I Amb	I Amb	20 36 37.1
H31M	Peel River baz=125	84.78	340	P	P	20 36 36.4 +0.9
K29M	Barlow Dome baz=122	84.81	338	P	P	20 36 36.4 +0.6
YUK3	Moose Creek baz=120,SNR=10.0	84.90	335	P	P	20 36 37.0 +0.5
I30M	Mount Dempster comp=Z,23nm,1.1s	85.15	339	I Amb	I Amb	20 36 39.2
I30M	Mount Dempster baz=124	85.15	339	P	P	20 36 38.5 +1.0
ELIB	Princess Elisa comp=Z,15nm,0.8s	85.36	162	dP	P	20 36 39.4 +0.9
BVCY	Beaver Creek baz=119,SNR=10	85.38	336	P	P	20 36 39.2 +0.6
J29N	Klondike Camp baz=122	85.39	338	P	P	20 36 38.7 0.0
J29N	Klondike Camp baz=122	85.39	338	P	P	20 36 39.2 +0.5
G31M	Satah River comp=Z,23nm,0.8s	85.41	341	I Amb	I Amb	20 36 39.7
G31M	Satah River baz=126,SNR=15	85.41	341	P	P	20 36 38.6 +0.1
SUM3	Summit	85.53	11	P	P	20 36 39.7 +0.1
SUM3						20 36 41.3
	comp=Z,16nm,0.8s					
SUM3	Summit	85.53	11	P	P	20 36 39.7 +0.1
SUM3						
	comp=Z,16nm,0.8s					
F31M	Tsigichtech comp=Z,25nm,1.0s	85.55	342	I Amb	I Amb	20 36 40.4
F31M	Tsigichtech baz=126,SNR=10	85.55	342	P	P	20 36 39.2 0.0
DAWY	Dawson	85.63	337	P	P	20 36 39.9 0.0
KAIM	Kayak Island baz=112	85.76	333	P	P	20 36 40.9 +0.4
M27K	Edge Creek, AK comp=Z,28nm,1.1s	85.77	335	I Amb	I Amb	20 36 42.3
M27K	Edge Creek, AK baz=118	85.77	335	P	P	20 36 41.0 +0.3
EPYK	Eagle Plains comp=Z,18nm,1.0s	85.90	340	I Amb	I Amb	20 36 42.5
EPYK	Eagle Plains baz=123,SNR=6.7	85.90	340	P	P	20 36 41.4 +0.3
VRDI	Verde Repeater comp=Z,17nm,1.0s	85.91	334	I Amb	I Amb	20 36 42.8
INK	Inuvik baz=126,SNR=26	86.00	342	P	P	20 36 41.6 +0.1
BCAR	Beaver Creek A comp=Z,25nm,0.9s	86.07	336	I Amb	I Amb	20 36 41.9 -0.1
L27K	Beaver Creek baz=118	86.08	336	P	P	20 36 43.7
L27K	Beaver Creek baz=118	86.08	336	P	P	20 36 42.9 +0.8
A36M	Sachs Harbour baz=134,SNR=7.6	86.24	347	P	P	20 36 42.0 -0.6
M26K	Nabesna, AK baz=117	86.25	335	P	P	20 36 43.2 +0.3
F30M	Barrier River baz=124	86.29	341	P	P	20 36 43.5 +0.5
BMRM	Bremner River baz=116	86.30	334	P	P	20 36 43.1 -0.1
H29M	Whitestone comp=Z,17nm,1.0s	86.38	340	I Amb	I Amb	20 36 44.8
H29M	Whitestone baz=122	86.38	340	P	P	20 36 43.9 +0.5
I28M	Miner Creek comp=Z,20nm,0.8s	86.54	339	I Amb	I Amb	20 36 45.6
I28M	Miner Creek baz=120	86.54	339	P	P	20 36 44.7 +0.4
N25K	Chitina, Valde baz=116	86.57	334	P	P	20 36 44.5 0.0
EYAK	Cordova Ski Ar baz=112	86.62	333	P	P	20 36 44.7 0.0
G29M	Pine Creek baz=122	86.63	340	P	P	20 36 45.0 +0.4
EGAK	Eagle baz=119	86.65	338	P	P	20 36 45.0 +0.2
L26K	Log Cabin Wild baz=117,SNR=8.7	86.68	336	P	P	20 36 45.2 +0.1
KLU	Klutina baz=115	87.10	334	P	P	20 36 47.5 +0.3
I27K	Kandik River baz=119	87.22	338	P	P	20 36 48.1 +0.5
SCRK	Sand Creek comp=Z,14nm,0.9s	87.37	336	I Amb	I Amb	20 36 49.5
SCRK	Sand Creek baz=116,SNR=12	87.37	336	P	P	20 36 48.4 0.0
E29M	Blow River baz=122	87.38	342	P	P	20 36 48.4 +0.2
J26L	Joseph Creek baz=117	87.44	337	P	P	20 36 48.6 -0.1
J26L	Joseph Creek baz=117	87.44	337	P	P	20 36 49.4 +0.7
M24K	Tolsona, Glenn baz=114	87.46	334	P	P	20 36 48.9 +0.1
H27K	Steamboat Moun baz=119	87.49	339	P	P	20 36 49.4 +0.5
PAX	Paxson baz=115,SNR=14	87.53	335	P	P	20 36 49.0 -0.2
RIDG	Independent Ri comp=Z,24nm,1.0s	87.61	336	I Amb	I Amb	20 36 50.7
RIDG	Independent Ri baz=116,SNR=5.3	87.61	336	P	P	20 36 49.6 +0.1
F28M	Old Crow	87.61	340	I Amb	I Amb	20 36 50.2

F28M	comp=Z,13nm,0.8s Old Crow baz=120,SNR=17	87.61	340	P	P	20 36 49.1 -0.3
I26K	Coal Creek Min baz=111	87.65	338	P	P	20 36 49.5 -0.1
G27K	Doyal Strip baz=119	87.82	339	P	P	20 36 50.4 -0.1
SCM	Sheep Creek Mo baz=113	87.85	334	P	P	20 36 50.6 -0.1
PWL	Port Wells baz=112	87.92	333	P	P	20 36 50.8 -0.1
M23K	Glacier View baz=113	88.01	334	P	P	20 36 51.3 -0.1
K24K	Dodally Dome baz=115	88.01	336	P	P	20 36 52.2 +0.8
E28M	Babbage River E28M	88.01	341	P	I Amb	20 36 50.8 -0.5
	comp=Z,12nm,0.9s					
E28M	Babbage River baz=121	88.01	341	P	P	20 36 50.9 -0.3
D28M	Stokes Point baz=122	88.14	342	P	P	20 36 51.8 0.0
SEW	Seward baz=112	88.14	332	P	P	20 36 51.9 -0.1
KNK	Knik Glacier baz=112	88.18	333	P	P	20 36 51.9 -0.3
J25K	Salcha River, comp=Z,15nm,0.9s	88.19	337	I Amb	I Amb	20 36 53.5
J25K	Salcha River, baz=115	88.19	337	P	P	20 36 52.2 0.0
SML	Sawmill baz=112	88.28	334	P	P	20 36 52.9 +0.1
O22K	Cooper Landing baz=111	88.41	332	P	P	20 36 53.8 +0.5
E27K	Coleen River comp=Z,13nm,1.1s	88.46	341	I Amb	I Amb	20 36 54.7
E27K	Coleen River baz=119	88.46	341	P	P	20 36 53.6 +0.2
PMR	Palmer baz=112	88.55	333	P	P	20 36 53.7 -0.2
TAM	Tamanrasset	88.55	67	P	P	20 36 54.4 -0.6
TAM	Tamanrasset	88.55	67	P	P	20 36 54.4 -0.6
	comp=Z,6.0nm,1.0s					
BRSE	Bradley Lake S baz=113	88.62	331	P	P	20 36 54.9 +0.6
G26K	Porcupine River baz=117	88.63	339	P	P	20 36 54.4 +0.2
PRP	Porcupine Dome baz=111	88.63	338	P	P	20 36 54.7 +0.2
RC01	Rabbit Creek A baz=111	88.64	333	P	P	20 36 54.0 -0.4
HDA	Harding Lake comp=Z,13nm,1.0s	88.72	336	I Amb	I Amb	20 36 55.5
HDA	Harding Lake baz=114,SNR=6.4	88.72	336	P	P	20 36 54.6 -0.1
D27M	Malcolm River baz=119	88.78	342	P	P	20 36 55.4 +0.5
IL31	comp=Z,14nm,1.1s	88.85	337	I Amb	I Amb	20 36 56.1
ILAR	Eielson Array comp=Z,5.5nm,0.9s,baz=151,slow=3.5,SNR=41	88.85	337	P	P	20 36 54.9 -0.4
ILAR						20 37 10.0 -1.8
	comp=Z,2.9nm,0.8s,baz=146,slow=3.2,SNR=67					
ILAR						20 40 26.2 +1.0
	comp=Z,1.4nm,1.0s,baz=118,slow=6.1,SNR=6.7					
KDAK	Kodiak Island baz=109	88.87	329	P	P	20 36 56.1 +0.6
EUUN	Eureka comp=Z,18nm,1.2s	88.99	359	I Amb	I Amb	20 36 59.5
HOM	Home baz=110	89.02	331	P	P	20 36 56.4 +0.2
Q20K	Shuyak Island baz=109	89.04	330	P	P	20 36 56.0 -0.3
M22K	Willow baz=112	89.05	333	P	P	20 36 56.4 +0.2
OHAK	Old Harbor baz=108	89.05	328	P	P	20 36 56.2 -0.1
F26K	Sheenjek River comp=Z,11nm,0.8s	89.09	340	I Amb	I Amb	20 36 58.2
F26K	Sheenjek River baz=116	89.09	340	P	P	20 36 57.1 +0.7
BMAR	Burnt Mountain CCB	89.12	339	P	P	20 36 56.4 -0.1
CCB	Clear Creek Bu comp=Z,13nm,1.0s	89.16	336	I Amb	I Amb	20 36 58.2
CAPN	Captain Cook N baz=110	89.17	332	P	P	20 36 57.2 +0.4
POKR	Poker Plat Res baz=112	89.20	337	P	P	20 36 57.0 0.0
WRH	Wood River Hill comp=Z,15nm,0.9s	89.20	336	I Amb	I Amb	20 36 58.0
SUA	Susitna One baz=110	89.22	333	P	P	20 36 57.4 +0.2
MCK	McKinley baz=112	89.27	335	P	P	20 36 57.4 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHN3, SSHA, SHHT, SCST, etc.

IDC 15:20:53.7r.7.1, 3.22.45Sx169.92E, h0km, mb4.0/0, mblmp3.9/9, ML3.2/1, Error ellipse: s-maj=35.6km

NOU 15:20:54:01.5, 22.13S, 168.20E, h0km, MLV2.5/7, New Caledonia

ISC 15:20:53.43.1.0.9, 22.5S, 0.1x169.9E:0.1, h35km, n19, +0.90/20, mb4.1/1.0, 3C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC, YATNC, OUENC, etc.

IDC 15:20:55:00.6.3.2, 59.98N-170.31E, h0km, mb3.3/6, mblmp3.3/6, Error ellipse: s-maj=110.2km

s-min=23.3km az=0.0, Eastern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR, YKA, KURBA, etc.

NEIC 15:21:04:24.1.0.7, 19.25N, 0.02x155.40W:0.01, h37km, 2km, Error ellipse: s-maj=3.5km s-min=0.5km az=149.0

HVO 15:21:04:25.8.0.8, 19.24N, 0.05x155.39W:0.05, h30km, 7km, ML2.9/42, ML3.0/42(NEIC), Error ellipse: s-maj=8.6km

s-min=5.2km az=147.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HTC, HLP, SDHH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HATHI, SBLHI, RSHD, etc.

IDC 15:21:06:28.8.1.1, 43.58N, 105.40W, h0km, mb4.0/7, mblmp3.8/11, ML3.0/3, Error ellipse: s-maj=33.9km

NEIC 15:21:06:29.3.0.8, 43.71N, 0.06x105.4W:0.1, h0km, 1km, ML3.5/66, Error ellipse: s-maj=13.7km s-min=8.9km

ISC 15:21:06:29.7.0.7, 43.75N, 0.06x105.33W:0.07, h0km, n61, +120.61, mb4.0/7, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PAH, POUH, HUH, etc.

IDC 15:21:06:29.7.0.7, 43.75N, 0.06x105.33W:0.07, h0km, n61, +120.61, mb4.0/7, Wyoming

Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RSSD, K22A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like K22A, N23A, LAO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MVU, MTPU, ELK, etc.

AEIC 15:21:23:34.0.1.5, 55.57N, 0.08x160.00W:0.08, h13km, 6km, Error ellipse: s-maj=12.6km s-min=3.3km az=153.0

NEIC 15:21:23:34.6.1.6, 55.54N, 0.07x159.94W:0.06, h16km, 6km, ML3.3/33, ML3.2(AEIC), Error ellipse: s-maj=11.7km

s-min=1.7km az=157.0, Alaska Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VNSW, VNSK, VNSR, etc.

1594/78, mb3.5/3, Philippine Islands region

DNK 15 22:05:54.6:4.4, 81.93N;3.74W, h36km, 47km, ML1.2
BER 15 22:05:55.1:3.0, 81.73N;3.42W, h10km, mb(Fn)2.8,
ML1.2(DNK), Confirmed Earthquake
FCIAR 15 22:06:01.0, 81.94N;0.37W, h10km, station ZFI2 has
station magnitude of 3.50 station OMEGA has station
magnitude of 3.60

ISC 15 22:05:51.2:1.2, 81.72N;0.09:3.07W;0.05, h10km, n15,
c338/26, North of Svalbard

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like NOR, KBS, SPAO, DAG, HOPEN, ZF12, OMEGA, DBG, etc.

IDC 15 22:10:10.7:0.8, 29.02N;141.69E, h0km, mb3.8/14,
mbtmp3.8/15, ML3.1/1, MS3.7/1, Error ellipse:
s-maj=25.2km s-min=18.5km az=81.0

NEIC 15 22:10:18.4:1.1, 29.00N;0.07:141.6E;0.2, h49km, gkm,
mb4.5/11, Error ellipse: s-maj=21.1km s-min=6.1km
az=68.0

ISC 15 22:10:18.6:0.6, 29.03N;0.07:141.6E;0.1, h56km, n36,
c1933/37, mb4.0/20, Southeast of Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like JCJ, JGF, MJAR, MAJO, etc.

IDC 15 22:19:25.4:4.0, 20.79N;121.39E, h0km, mb3.5/3,
mbtmp3.5/3, MS3.2/2, Error ellipse: s-maj=310.0km
s-min=27.5km az=67.0

JMA 15 22:19:29.5:0.4, 21.1N;1.12E, h0km, MV4.0/11,
PHILIPPINE ISLAND REGION
TAP 15 22:19:35.8:21.20N;120.76E, h63km, ML3.4, D
ISC 15 22:19:29.7:1.2, 20.74N;0.09:121.01E;0.06, h35km, n79,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like TSEB, TWKBT, HEN, LYUB, etc.

KRSC 15 22:21:57.1:2.0, 49.88N;154.51E, h295km, 17km, M14.1, Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like KDTR, KOK, UGLR, etc.

NEIC 15 22:23:56.3, 62.97N;172.27W, h33km,
NEIC 15 22:24:04.1:2.4, 63.19N;0.07:171.9W;0.2, h16km, gkm,
Error ellipse: s-maj=13.1km s-min=8.6km az=50.0

AEIC 15 22:24:05.1:1.7, 63.32N;0.05:171.4W;0.2, h6km, gkm,
ML3.4, mb, Lq2.76(NEIC), Error ellipse: s-maj=13.9km
s-min=6.8km az=103.0

ISC 15 22:24:03.9:1.2, 63.27N;0.05:171.84W;0.07, h10km, n99,
c0659/105, St. Lawrence Island region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like GAMB, PVDR, TNA, etc.

ISC 15 22:28:32.1:7.1, 18.59S;63.99W, h27km, 5km, ML3.8/3,
MW3.5, Error ellipse: s-maj=3.8km s-min=3.8km az=2.0,
Central Bolivia

ISC 15 22:28:32.1:7.1, 18.59S;63.99W, h27km, 5km, ML3.8/3,
MW3.5, Error ellipse: s-maj=3.8km s-min=3.8km az=2.0,
Central Bolivia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like J14K, G15K, M11K, F15K, H16K, G16K, etc.

IDC 15 22:37:06.5:48.0, 17.74S;179.41W, h584km, 143km,
mb3.3/3, mbtmp4.1/4, Error ellipse: s-maj=979.7km
s-min=110.8km az=80.0, Fiji Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like MSVF, STKA, WRA, ASAR, etc.

SCB 15 22:38:21.7:1.1, 18.59S;63.99W, h27km, 5km, ML3.8/3,
MW3.5, Error ellipse: s-maj=3.8km s-min=3.8km az=2.0,
Central Bolivia

SCB 15 22:38:21.7:1.1, 18.59S;63.99W, h27km, 5km, ML3.8/3,
MW3.5, Error ellipse: s-maj=3.8km s-min=3.8km az=2.0,
Central Bolivia

15d 23h

Table with columns: SOET, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ToroToro, MOCB, SOEO, BBOE, SOEJ, LPAZ, BBOD, PTLB, SBPS, VILTB, MLRT.

JMA 1523:04:48.7±0.2, 25°N, 124°45'E, 0.8h, 9h8km, 2km, Mw3.5/13, NW OFF MIYAKOJIMA ISLAND

ISC 1523:04:47.6±0.8, 25°22'N, 124°45'E, 0.06h, 1h102km, gkm, h20, c0.56/31, mb3.8, N, Northeast of Taiwan

Main table for station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tarama, Ishigakijima, Iribabu, Ikemajima, Ishigaki jima, Miyako jima, Gusu kuboe, Kuro-shima, Iriomote-Funau, Hateruma jima, Yonaguni jima, Korea Array, Matkanchi Array, Zalesovo Beam, Kurchatov Arra, Warramunga Arr, Borovoye Array, ASAR Alice Springs, Keskin Array B, YKA Yellowknife Arr.

IDC 1523:30:47.8±0.4, 37°21'N, 107°29'W, h0km, mb4.3/33, mtdmp3.6/9, Error ellipse: s-maj=10.5km, s-min=9.8km, az=45.0

NEIC 1523:30:48.2, 37°21'N, 107°06'W, h6km, RSNc 1523:30:48.5±0.0, 37°N, 107°31'W, 1.0h, 1h10km, M5.2, MB5.7, mb4.6, ML4.7, Mw(m)B5.2, Hypocentre not reviewed by the ISC

NEIC 1523:30:48.7±0.4, 37°23'N, 107°06'W, 1h10km, 1km, mb4.7/130, ML4.6/62, Mw4.5/22, Mw4.6/12, Error ellipse: s-maj=10.8km, s-min=10.0km, az=74.0, Moment Tensor Solution. Moment tensor: Scale 10^19 Nm; Mr:3.2; Mw:0.99; Ms:2.26; Mb:3.80; Mm:0.08; Mv:4.10; Fault plane solution: Ms:3.0000x10^19, N:170, P:348, T:1000, 3.83, 77000. Principal axes: T: 6.8943, P: 6.77000, N: -1.4452, Plg6.0000, Azm142.0000; P: -5.4491, Plg32.0000, Azm236.0000;

NEIC 1523:30:48.1, 37°01'N, 107°35'W, 1h2km, Moment Tensor Solution. Duration: 1s2. Moment tensor: Scale 10^19 Nm; Mr:3.39; Ms:3.67; Mb:3.72; Mm:1.06; Mv:5.37; Fault plane solution: Ms:8.98000x10^19, N:1; P:316, T:79000, 821, 330000, 85, 060000. Principal axes: T: 10.1314, Plg66.0000, Azm55.0000; N: -2.6674, Plg2.0000, Azm321.0000; P: -7.6459, Plg24.0000, Azm231.0000;

NEIC 1523:30:48.1, 37°21'N, 107°06'W, 1h2km, ISC 1523:30:49.5±0.9, 37°22'N, 107°10'W, 0.05h, 1h14km, 5km, n268, c1.95/224, mb4.6/77, MS3.5/7, BC-4D, Off east coast of United States

Main table for station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Willards, R61A, S61A, P61A, V61A, WUPA, CBN, T59A, P57A, etc.

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Main table for station data with columns: P57A, KSCST, N58A, N58A, UCCT, S57A, M65A, M65A, M65A, M65A, W59A, KSPA, T57A, L64A, V58A, SSPA, M57A, M57A, L59A, L59A, L61B, L61B, L61B, Y60A, BCX, BCX, WES, WES, HRV, HRV, K62A, TRY, BLA, B61A, B62A, LBNH, NHSC, N51A, BBSR, TKL, TKL, SADO, SADO, SADO, CPCT, A61A, T61A, WCI, VLDQ, S53A, A64A, SLM, L42A, H42A, N41A, CCM, P40A, P40A, R40A, FCAR, UALR, N38A, S39A, P38A, SCIA, X40A, NMDO, N35A, SCHO, SDDR, TUL3, L34A, K5U1, T35A, T35A, QUOK, OK05, OK05, OK03, BLOK, W35A, W35A, KAN09, OK029, KAN17, FNO, KAN05, CELP, CELP, OBIP, AGMN, AGMN, S1G, S1G, S1G, HJMG, HUMP, IGPR, IGPR, R32A, R32A, OK030, etc.

Main table for station data with columns: CSTR, NOKA, ULM, ULM, WMOK, WTF5, K30B, CBKS, PLPT, ELIS, ELIS, MDND, ABTX, APMT, OGNE, DKNS, AMTX, POST, SGCY, FCC, FCC, FFC, FFC, TXAR, TXAR, FRB, FRB, ANMO, ANMO, SDV, SDV, SDV, SDV, PDAR, PDAR, ROSC, ELK, NEW, LPIG, PFO, NVAR, YKA, YKA, BOAV, BOAV, OTAV, OTAV, OTAV, YBH, RES, DLBC, ITTB, INK, INK, G31M, TMAB, I30M, E29M, ETMB, ETMB, F28M, F28M, D27M, BCAR, L27K, E27K, F26K, PCAS, POLO, PVIL, PVIS, MTE, IL31, IL31, ILAR, ILAR, MORF, PCBR, F24K, PMRV, PDRB, E23K, PBAR, C23K, SMTB, ESDC, SNDB, LPAZ, LPAZ, LPAZ, SPITS, SPITS, etc.

Table with columns: PTBL, comp-Z, 9.4nm, 0.9s, Pontes e Lacer, 54.01 163 P, Iamb, P, 23 40 12.6 -0.8, etc.

Table with columns: ASAR Alice Springs, 153.19 293 PKPbc PKPbc, 23 50 47.4 +0.1, JMA 15 23:34:56.5, 0.2, 43.0N, 0.5, 146.5E, 0.9, h56km, 1km, etc.

Table with columns: ABKAR comp-Z, 2.2, 3nm, 0.6s, Summit, 64.73 2 P, P, 23 45 30.5 +0.1, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like NNA, PB12, ATAH, PB18, LPAZ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TXAR, TKL, NVAR, PDAR, DZM, SADO, STKA, YKA, CMAR, ZALV, KURBB, MKAR, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KK31, KKAR, KKDJ, MTBS, etc.

IDC 15:23:46.19.1.0.8.36.09S:98.34W, h0km, mb4.2/1.1, mtbpm4.2/1.1, MS3.9/1.8, Error ellipse: s-maj=23.6km s-min=20.0km az=7.0, 1.9 SNR=1.9

comp=Z,95nm,18.7s,baz=176,slow=32 Lajitas Array 65.22 355 P P 23 57 02.6 +0.3

comp=Z,32nm,0.9s,baz=247,slow=8,SNR=8.8 IROC Station P 148.16 143 PKPbc PKPdf 00 00 18.0 +1.3

NEIC 15:23:46.20.9.2.4.36.08S:0.10.98.4W:0.2.1h0km,2km, mb4.6/30, Error ellipse: s-maj=26.8km s-min=15.1km az=255.0

comp=Z,12nm,1.1s,baz=215,slow=5.0,SNR=3.5 Mont Dzumac 81.37 249 LR LR 00 32 32.4

comp=Z,2.9nm,0.9s,baz=155,slow=1.8,SNR=8.4 PKPbc PKIKP 00 00 30.4 +1.5

ISC 15:23:46.20.8.0.7.36.05S:0.11.98.3W:0.1,h10km,n83, c094/63,mb4.5/24,MS4.0/17,SouthEast of Easter Island

comp=Z,1.2nm,0.7s,baz=181,slow=5.9,SNR=10 Pinedale Array 79.10 352 P P 23 58 25.4 +0.1

comp=Z,4.7nm,0.5s,baz=47,slow=2.4,SNR=7.9 PKPab PKPab 00 00 38.4 +2.2

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RPN, H03S2, H03S1, H03S3, H03N2, H03N3, H03N1, etc.

comp=Z,1.2nm,1.1s,baz=215,slow=5.0,SNR=3.5 Stephens Creek 92.17 227 LR LR 00 31 59.2

comp=Z,2.5nm,0.9s,baz=334,slow=5.7,SNR=3.4 Kurbb Kurchatov Arra 165.24 8 PKPab PKPab 00 07 21.8 +0.3

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like LC02, G005, LL02, etc.

comp=Z,2.5nm,0.9s,baz=334,slow=5.7,SNR=3.4 Makanchi Array 169.24 358 PKPab PKPab 00 07 40.2 +0.2

comp=Z,2.5nm,0.9s,baz=334,slow=5.7,SNR=3.4 Makanchi Array 169.24 358 PKPab PKPab 00 07 40.2 +0.2

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BI02, VA05, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PLCA, BO02, BO04, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like VA03, LMEL, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MT08, G004, LCO, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like AC02, NNA, LPAZ, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like LPAZ, CPUP, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CZSB, PLTB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MURT, ETMB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PTLB, PTGB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like IPMB, MACA, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like RUSC, SNDB, etc.

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

comp=Z,1.1nm,0.8s,baz=119,slow=5.3,SNR=4.0 Zalesovo Beam 161.96 354 PKPab PKPab 00 07 09.1 +1.4

Table with columns for station name, frequency, mode, and signal strength. Includes stations like Cabo Rojo, PR; Arecibo Observ; Maguayes Islan; Esperanza - Ma; San Juan; Alto Bandera; Santiago de lo; InterUniversit; Patillas Dam; Patillas Dam; Hotel Casa Bon; Polo; El Aguacate, B; El Espartillar; Montecristi; El Cajui, Ov; Grand Turk; Bahia de las A; Port-au-Prince; Masc; Qimbuuelo; Moea; Nuevo Mundo.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like Flemmings, Mon; Guanantamo Bay; Lee's Yard; Willy Bob; Seta, Anti; Pinares de May; Hato, Curacao; Terre de Bas; Holguin; Chivivico; Salisbury; Uria, Colomb; Mount Denham; Saint Lucia, B; Belmont; Carrejon, Guaj; Grenada, Carri; Puerto La Cruz; San Jacinto, C; Pamplona, Colo; Barr Station; Zarago, Cau; Barrancabermej; San Jos de Ur; Apartado, Choc; La Rusia; San Pablo de B; Norcasia; El Rosal; El Rosal; El Rosal; Scranton; Roper; Jamundi, Valle; Boa Vista; Boa Vista; Popayan, Colom; Jenkinsville; Tegich; Tegich; Balboa, Cauca; Saluda; Montagnes des; Tuckaleechee N; Lakeview Retre; Montreal, Queb; Whar Holy Woolf; MOUNTAIN GROVE; MOUNTAIN GROVE; MOUNTAIN GROVE; Jewell Farm; Drager Farm; Sooner Cattle; Norwalk; Wichita Mounta; Rib Lake; Sannerwor; Lajas Ar, Si; EROS Data Cent; Van Horn; Schefferville; La Paz; Great Sand Dun; Lac du Bonnet; Pinalte Arre.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like PDAR; Trail Mountain; Mt Pleasant; Long Hollow; Yellowstone No; Moose Ponds; South Promonto; Pine Spring; Bozeman (W); Frobisher Bay; Halley; Ovando; Mira Array Bea; Newport; Detroit Lake; Camp Six Broad; Yellowknife Ar; Sonseca Array; Sonseca Array; Dease Lake; Paso Flores; Eskdalemuir Ar; Tullin, Yukon; Attin; Sachs Harbour; Dimbokro; Satah River; Inuvik; Minto, Yukon; Blow River; Eagle; Beaver Creek A; Coal Creek Min; Sand Creek; Burnt Mountain; Torodi Ar, Bea; Arctic Village; Eielson Array; Squaw Lake; Your Creek; Minto, Yukon-K; Castle Rocks; Styx River; Nowinta River; Kuna River; Norcia; Kuna River; FINESS Array B; Warramunga Arr; Alice Springs; Ghasr-e-Shirin; Dohash; Gilan-e-Gharb; Ghaleghazi; Lien; Ilam Banvizeh; Kirkuk; Cheshme Sefid; Sardasht, Az; Badra; Abgarm-Qazvin; Sarab; Pirpir; Kolahrood; Karsahi; Sefidab.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KNET 16 00:50:30.9; SOME 16 00:50:31.3; NNC 16 00:50:31.3; Error ellipse; KNET 16 00:50:31.0; Error ellipse; ISC 16 00:50:31.8.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Przheval'sk, SATY, ZHN, ANVS, UZB, etc.

Table with columns: DGS, Degeres, Time, Res, ISC. Includes stations like Tokmak 2, Karagaybulak, Chumysh, etc.

GCJ 16 00:55:21.9, 0.7, 13.19N, 90.10W, h13km, 13km, MD3.9, Hyocentre not reviewed by the ISC.

SNET 16 00:55:25.1, 1.8, 13.18N, 89.85W, h12km, ML3.6, CATA 16 00:55:25.2, 1.2, 13.18N, 89.85W, h5km, M3.5/19, MLV3.5/19, Error ellipse: s-maj=18.6km s-min=6.6km az=57.4

ISC 16 00:55:24.6, 2.1, 13.19N, 0.07, 89.81W, h7km, 11km, n55, c091/69, El Salvador

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like LALI, JAYA, UES, etc.

Table with columns: RANC, EISSG, BLML, etc. Includes stations like Sabana Grande, Bellamira, La Caada, etc.

DC 16 01:01:55.9, 1.7, 10.22N, 60.34W, h0km, mb3.2/4, mbmp3.8/9, ML3.7/5, Error ellipse: s-maj=39.7km s-min=28.5km az=13.0

TRN 16 01:02:00.8, 10.18N, 60.38W, h83km, MD4.3, East of Trinidad

ISC 16 01:02:00.6, 0.8, 10.12N, 0.06, 60.34W, 0.05, h59km, n35, c253/51, mb3.2/4, Trinidad

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TBH, TPR, TRN, TOS, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations in the 16d 2h range.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations in the 2019 JAN range.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations in the 900 range.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like Freiberg, Hora Svate Kat, Colim, Vranov, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like ESKALEMUR AR, ARCES ARCESS Array B, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details. Includes stations like MASU Masugnshbyn, MASU Masugnshbyn, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TZN, L48A, Y52A, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PSKH, PSQC, PSQH, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KAN13, KAN09, KAN09, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KAN05, G202, KAN14, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like QSPA, LPAZ, TORO, etc.

UPA 16 03:54:49.2 0.0 9.94N:85.19W, h0km, 230km, MW4.6
UCR 03:54:59.0 0.0 9.41N:84.67W, h23km, 3km, MW3.8
ISC 16 03:55:00.0 1.0 9.51N:0.05:84.58W:0.03, h18km, n54,
-0.075S, Costa Rica

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CBL1, ARZA, LULU, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KAN13, KAN09, KAN09, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BLOK, KAN05, G202, etc.

IDC 16 04:12:32.5 0.4 21.705S:169.08E, h0km, mb5.0/20,
mbtm05.023, ML4.9.3, MS4.9/49, Error ellipse:
s-maj=13.5km s-min=11.5km az=154.0
BUJ 16 04:12:33.1, 21.25S:169.63E, h11km, mB5.7/44, mb4.9/64,
Ms5.2/43, Ms7.4/8/4
MOS 16 04:12:33.6 1.1 21.67S:168.97E, h10km, mb5.4/41,
MS5.1/10, Error ellipse: s-maj=9.5km s-min=8.2km
az=121.8

NEIC 16 04:12:35.3 1.8 21.78S:0.09:169.02E:0.07, h10km, 1km,
mb5.3/21, AlwM5.3/21, Error ellipse: s-maj=15.7km
s-min=11.7km az=174.0
NEIC 16 04:12:35.4 2.1 67S:169.12E, h12km, Moment Tensor
Solution. Duration: 265 Moment tensor: Scale 1017Nm;
Mr-1.31; Mw0.39; Mw0.92; Me-0.00; Mns-0.59; Mv0.02;
Fault plane solution: Ms1.10000/1017 NP1:
phi=326.78000; delta.62000; lambda.90.41000. NP2:
phi=147.36000; delta.539000; lambda.89.59000. Principal axes:
T 1.3052, Plg0.0000, Azm327.0000; N 0.0070,
Plg0.0000, Azm327.0000; P -1.3122, Plg90.0000,
Azm94.0000;

NEIC 16 04:12:35.4 2.1 77S:169.01E, h12km
NOU 16 04:12:36.0 2.1 54S:168.95E, h0km, ML5.2/99, Loyalty
BGR 16 04:12:39.8 1.2 48S:168.14E, h42km, 5km, Ms5.1
GCMT 16 04:12:40.3 0.1 21.67S:0.01:168.96E:0.01, h20km,
MM5.5/145, Moment Tensor Solution. s126.c205;
s145.c258; Duration: 184 Moment tensor: Scale 1017
Nm; Mr-2.43; Mw-0.55; Ms-0.03; Mv0.188; Ms3;
Mw0.42; Me-0.02; Mw0.133; Mw0.32; Ms-0.5; Best double
couple: M2.62800x1017 NP1:phi=315.00000; delta.00000,
lambda.108.00000. NP2:phi=161.00000; delta.00000,
lambda.72.00000. Principal axes: T 2.7030, Plg1.0000,
Azm236.0000; N -0.1470, Plg13.0000, Azm329.0000;
P -0.2550, Plg77.0000, Azm146.0000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DZM, DZM, DZM, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes entries like W13A Hualapai Mount, E19K Avarast Lake, F20K Redstone River, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes entries like BVAR Villa Florida, CPUP Villa Florida, ABKAK Akbulak array, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes entries like DPC Dobrauka-Polom, DPC Buzias, BZS Buzias, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRY Bratogost, CRES Cresnjavec Ost, TNS Taurus Mts, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UPA 16 04:14:38.2, MARI3 Mariato, Verag, etc.

KOLA 16 04:21:29.3, 67.67N; 33.71E, h0km, ML1.4, Error ellipse: s-maj=2.5km s-min=1.2km az=120.0, Khibiny, mines Kirovsk, Yukspor

HEL 16 04:21:31.5, 0.3, 67.58N-33.43E, h0km, ML1.2, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like APA Apatity, APA0 Apatity Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAJF Raja-Joossepi, PRNG Vayda Guba, etc.

HEL 16 04:22:12.9, 0.2, 67.18N; 20.53E, h0km, ML1.2, Suspected explosion

UPP 16 04:22:13.2, 0.0, 67.19N; 20.66E, h0km, ML2.4, Confirmed Induced event, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DUND Dundret, MASU Masungsbyn, etc.

DJA 16 04:23:14.8, 0.5, 10.9S; 6.19E, h10km, M4.0/12, mb4.3/4, MLv3.9/12, Sumba region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WBSI Waikabubak, Su, WSI Waigapu, etc.

IDC 16 04:43:13.9, 1.4, 25.82N; 105.54E, h0km, mb3.8/7, mbmp3.8/8, ML4.2/1, Error ellipse: s-maj=37.2km s-min=21.6km az=69.0

ISC 16 04:43:18.1, 2.25; 33N; 0.1; 105.5E; 0.2, h35km, n8, s=15/8, mb3.97, Southeastern China

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Chieng Mai, etc.

NEIC 16 04:55:19.4, 0.4, 35.63N; 0.01; 97.15W; 0.01, h6km, 3km, mb_Lgt:0.15, ML2.3/46, Error ellipse: s-maj=1.6km s-min=1.2km az=171.0, Oklahoma

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ADOK Arcadia Dam, ADOK Liberty Lake, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OK052, OK052, etc.

W35A Tecumseh, 0.53 155 Pg Iamb_Lg, 04 55 29.9 +0.2, 04 55 36.4

W35A Depew, 0.57 68 Sg Pg IAML, 04 55 37.2 +0.7, 04 55 39.0 +0.1

QUOK Quay, 0.65 34 Pg IAML, 04 55 32.0 +0.1, 04 55 41.7

QUOK Quok, comp=N, 210nm, 0.2s IAML, 04 55 45.7

OK051 E3050 and S346, 0.91 16 Pg Pg, 04 55 36.5 -0.4, 04 55 40.2 -0.4

CROK Carrier, 1.10 323 Pg Pg, 04 55 40.5 -0.6, 04 55 41.8 -0.1

X34A Smith Ranch, M, 1.17 209 Pg Pg, 04 55 41.8 -0.1, 04 55 59.4

X34A IAML, 04 55 59.4

CSTR Hydro, Custer, 1.25 271 Pb, 04 55 42.7 -0.7, 04 55 44.5 -0.2

GC02 Grant County #, 1.34 335 Pn, 04 55 44.5 -0.2, 04 55 44.9 -0.6

KAN13 South Haven SW, 1.40 349 Pn, 04 55 46.4 -0.1, 04 55 46.8 -0.3

KAN14 Manchester OK, 1.44 334 Pn, 04 55 47.3 -0.2, 04 55 47.7 -0.2

KAN17 West end E0370, 1.49 341 Pn, 04 55 48.2 +0.2, 04 55 48.2 +0.5

KAN09 Caldwell North, 1.55 346 Pn, 04 55 48.2 +0.2, 04 55 48.2 +0.2

KAN05 Bluff City Nor, 1.58 339 Pn, 04 55 48.1 0.0, 04 55 48.5 +0.2

WN01 Argonia South, 1.59 342 Pn, 04 55 48.5 +0.2, 04 55 50.3 0.0

WN0K Wichita Mounta, 1.60 237 Pn, 04 55 50.3 0.0, 04 56 14.5

NOKA Waynoka, 1.75 305 Pn, 04 55 51.2 +0.1, 04 56 17.9

RLO Rose Lookout, 1.81 72 Pn, 04 55 51.2 +0.1, 04 56 56.9

ELIS Ellis County, 1.89 284 Iamb_Lg, 04 55 56.9

WTF5 Wichita Falls, 2.15 211 Pn, 04 55 57.5 +1.1, 04 56 42.8

FW03 Perrin-Whitt E, 2.69 197 Iamb_Lg, 04 56 42.8

MIAR comp=N, 210nm, 0.8s, 3.13 109 Pn, 04 56 08.8 -0.4, 04 56 14.7 -2.7

X40A Basin Creek Fa, 3.72 107 Pn, 04 56 14.7 -2.7, 04 57 23.7

AMTX Amarillo, 3.78 260 Iamb_Lg, 04 57 23.7

WHAR Woolly Woolly, 3.98 94 Pn, 04 56 21.2 +0.2, 04 57 49.1

BRDY Brandy, 4.60 200 Iamb_Lg, 04 57 49.1

PBMO Poplar Bluff, 5.56 76 Iamb_Lg, 04 58 20.1

KRSC 16 05:15:18.8; 1.3, 55.23N; 164.743E, h56km, 24km, ML3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, etc.

WEL 16 05:24:48.4; 0.3, 40.52S; 172.47E, h12km, M3.4/53, ML3.7/25, MLv3.4/53, Error ellipse: s-maj=3.2km s-min=2.3km az=96.0

NOU 16 05:24:48.4, 40.28S; 174.33E, h13km, MLv3.5/15, Cook Strait, New Zealand

ISC 16 05:24:48.4, 1.1, 40.28S; 0.02; 174.34E; 0.02, h16km, 9km, n86, c051/100, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DUWZ D'Urville Isla, DUWZ Wanganui, etc.

16d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like DVHZ, COVZ, TUUV, etc.

IDC 16 05:28:58.6;2.4,30.395;71.42W,h0km,mb3.6/1, mbtmp3.5/3,ML3.5/2,MS3.8/2, Error ellipse: s-maj=76.2km s-min=65.7km az=174.0

SJA 16 05:28:58.9;0.6,29.805;71.73W,h7km,ML3.6, MW3.4 GUC 16 05:29:01.8;0.8,29.875;71.66W,h34km,4km,ML3.6 ISC 16 05:28:59.5;1.2,29.875;0.03;71.76W;0.05,h25km,9km, n50, c244/69,1C-4D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like CO05, CO06, CO04, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like CYA, FSA, TCA, etc.

IDC 16 05:41:04.7;1.3,0.83N;126.13E,h0km,mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=139.2km s-min=20.0km az=67.0

DJA 16 05:41:11.2;0.3,0.7N;2.12'E, h10km, M4.2/13, mb4.3/3, MLV4.1/13, Mw(mb)4.6/1 ISC 16 05:41:13.3;1.1,0.4N;0.1;125.5E;0.1, h73km, n11, c127/11, mb3.6/5, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KMSI, SANI, LUWI, etc.

ASRS 16 06:00:08.0;0.7,54.10N;86.44E,h0km,mb4.1/5, mbtmp4.1/6,ML3.9/1, Error ellipse: s-maj=38.5km s-min=20.1km az=72.0

NEIC 16 06:06:05.5;1.2,55.3S;0.2;26.8W;0.2,h10km,2km, mb4.5/12, Error ellipse: s-maj=29.5km s-min=18.1km az=22.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

IDC 16 06:06:02.0;0.9,55.04S;26.47W,h0km,mb4.1/5, mbtmp4.1/6,ML3.9/1, Error ellipse: s-maj=38.5km s-min=20.1km az=72.0

ISC 16 06:06:03.8;0.8,55.1S;0.1;26.5W;0.1, h10km, n27, c182/27, mb4.4/7, 5C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like HOPE, VNA1, VNA2, etc.

908

comp=Z,0.6nm,0.5s,baz=219,slow=3.4,SNR=5.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like PETK, H112, H111, etc.

IDC 16 06:30:48.2;2.9,46.15N;152.44E,h0km,mb3.8/4, mbtmp3.7/5,ML2.5/1, Error ellipse: s-maj=74.5km s-min=45.1km az=8.0, Kuril Islands

IDC 16 06:57:41.5;1.3,30.70S;179.28W,h442km,15km,mb3.0/2, mbtmp4.1/3, Error ellipse: s-maj=34.7km s-min=20.1km az=136.0

NOU 16 06:58:00.0,32.88S;178.65W,h438km,ML4.5/12, South of Kermadec Islands

ISC 16 06:57:40.8;1.0,30.77S;0.10;178.9W;0.2, h450km, n38, c185/14, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like RAO, MXZ, WMGZ, etc.

ASRS 16 06:57:45.0;2.2,53.72N;91.01E,h0km,M2.9, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 16 06:57:50.6;3.6,53.61N;90.79E,h0km,mbtmp3.0/3, ML2.5/3, Error ellipse: s-maj=32.9km s-min=25.7km az=29.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

IDC 16 07:19:47.3;1.3,49.73N;81.60E,h0km,mbtmp2.6/2, ML2.2/2, Error ellipse: s-maj=18.4km s-min=9.6km az=54.0

NNC 16 07:19:48.5;1.2,49.75N;81.67E,h0km,mb3.4,mpv3.0, Error ellipse: s-maj=16.7km s-min=3.7km az=54.0, Suspected Mining explosion.

ISC 16 07:19:41.5;1.3,49.85N;0.05;81.94E;0.08,h0km,n9, c077/12, 6C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KURK, KURB, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, Time, and other technical details. Includes stations like J20K, TX31, TXAR, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, Time, and other technical details. Includes stations like YAK, BTO, YKA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, Status, Time, and other technical details. Includes stations like MDVR, OBKA, FETA, etc.

16d 8h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PTGB Pitanga, H10N1 ASCENSION HYDRS, H10N2 ASCENSION HYDRS, etc.

2019 JAN

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VVDA Vanda, TORO Torodi Arr, NNA Nana, CZSB Cruzeiro do Sul, etc.

912

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ARSA Arzberg, WSAR Wadi Sarin, RONA Rosalia, CONA Conrad Oserva, etc.

16d 10h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AMPH Amapala, LOAL Lomas de Alarc, SLOZ Alcaldia de Sa, etc.

IDC 16 09:09:38.7.5.1, 27.92S; 178.05W, h0km, mb3.5/1, mbmp3.5/1, MS3.9/2, Error ellipse: s-maj=268.2km s-min=54.1km az=158.0

ISC 16 09:09:44.3.1.6, 27.95S; 01.178.2W; 0.4, h35km, n24, c=25/23, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, PNHZ Pukenui, DVHZ Dannevirke, etc.

IDC 16 09:23:22.5.2.3, 54.60N; 83.74E, h0km, mbmp2.6/2, ML2.3/2, Error ellipse: s-maj=18.0km s-min=10.8km az=165.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV, etc.

NEIC 16 09:29:23.7.1.5, 48.50N; 0.02; 123.28W; 0.04, h29km, 3km, Error ellipse: s-maj=3.5km s-min=3.1km az=71.0

SEA 16 09:29:24.7.1.6, 48.48N; 0.010; 123.26W; 0.04, h26km, 6km, ML2.2/16, ML2.2/26(NEIC), Error ellipse: s-maj=3.6km s-min=1.3km az=97.0, Vancouver Island region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VGZ Gonzales, UWFH University of, B011 North Saanich, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TXB Texada, GPW Glacier Peak, OZB Mount Ozzard, etc.

SCB 16 09:45:52.8.1.2, 21.63S; 66.74W, h206km, 21km, ML2.8/2, Error ellipse: s-maj=14.1km s-min=9.4km az=0.0

SJA 16 09:45:52.4.0.7, 21.64S; 66.82W, h210km, 6km, ML2.7, MW3.2

ISC 16 09:45:50.8.1.8, 21.66S; 0.05; 66.77W; 0.05, h227km, 15km, n25, c=25/17/34, Southern Bolivia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MOCB Mochara, YJCA Yavi, AF01 San Pedro de A, etc.

IDC 16 09:57:13.3.3.7, 17.62S; 176.52W, h519km, 53km, mb3.6/3, mbmp4.5/4, Error ellipse: s-maj=608.0km s-min=108.2km az=79.0

NEIC 16 09:57:25.5.0.6, 17.85S; 0.10; 178.1W; 0.2, h520km, 21km, mb4.1/18, Error ellipse: s-maj=26.8km s-min=14.4km az=83.0

ISC 16 09:57:24.5.0.9, 17.93S; 0.2; 178.1W; 0.1, h500km, n25, c=19/10/25, mb4.1/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FUTU Fugatoga, MSVF Nonsavu, NIUE Niue, etc.

914

Table with columns: MBWA Marble Bar, MBWA, comp=Z, 8.9nm, 1.1s, P, Iamb, P, Iamb, 10 06 30.0 -1.4, 10 06 48.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MRSI Marisa, APSI Ampama, PCI Palu, etc.

IDC 16 10:30:49.3.1.5, 3.40N; 126.30E, h0km, mb3.7/6, mbmp3.7/6, Error ellipse: s-maj=111.6km s-min=20.9km az=68.0

DJA 16 10:30:52.6.0.4, 3.4N; 126.6E, h12km, 6km, M4.2/12, mb4.1/5, MLV4.2/12

ISC 16 10:30:51.1.3.3, 5N; 0.1; 126.4E; 0.1, h10km, n11, c=095/12, mb3.6/6, Talaud Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SGGSI Sangahe, SGGSI, TNTI Ternate, etc.

NOU 16 10:41:09.7.38, 41S; 178.20E, h5km, MLV4.0/16, Off E. Coast of N. Island, N.Z.

WEL 16 10:41:11.2, 0.6, 38.5, 3, 17.8E, h11km, 5km, M3.5/48, ML3.9/13, MLV3.5/48, Error ellipse: s-maj=5.0km s-min=3.1km az=110.2

ISC 16 10:41:10.9.1.2, 38.35S; 0.03; 178.23E; 0.04, h21km, 1km, n94, c=096/100, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CNZG Carnah Station, TWGZ Tuwahareparea, PUKETITI Puketiti, etc.

16d 10h

AJN	Ajban	73.66	294	P	P	11 01 01.4	+0.3
AJN	Ajban	73.66	294	i P	P	11 00 59.9	-1.1
GAMB	Gambau	73.83	24	P	P	11 01 02.8	+1.6
RBK	Rabuk	74.09	287	P	P	11 01 04.0	+0.2
DOK	Doka	74.19	288	P	P	11 01 04.0	-0.2
RAR	Rarotonga	74.22	113	LR	LR	11 03 34.2	
WHFO	Wadi Hawf	74.51	288	P	P	11 01 05.4	-0.8
FALS	False Pass	74.56	34	P	P	11 01 06.5	+0.9
M11K	Mekoryuk	74.87	28	P	P	11 01 08.6	+1.3
ABTO	Aybut	74.95	287	P	P	11 01 09.0	+0.2
MZR	Muzera	74.96	293	P	P	11 01 09.2	+0.6
MZR	Muzera	74.96	293	i P	P	11 01 07.9	-0.8
SVE	Sverdlovsk	75.13	328	eP	P	11 01 08.0	-1.0
SVE	Sverdlovsk	75.13	328	eP	pmax	11 01 08.0	-1.0
S12K	Black Hills	75.53	33	P	P	11 01 12.0	+0.7
JRN	Jarnain Island	75.62	295	P	P	11 01 12.7	+0.3
TNA	Tin City	76.06	23	P	P	11 01 15.3	+1.3
K13K	Kusilvak Mount	76.10	27	I Amb	I Amb	11 01 16.0	
K13K	Kusilvak Mount	76.10	27	P	P	11 01 25.8	+1.4
ARTI	Arti	76.21	327	P	P	11 01 13.3	-1.8
ARTI	Arti	76.21	327	i P	I Amb	11 01 13.3	-1.8
ARTI	Arti	76.21	327	c i P	S	11 01 13.4	-1.8
ARTI	Arti	76.21	327	c i P	S	11 01 59.5	+1.8
M13K	Dall Lake	76.22	28	P	P	11 01 16.0	+0.9
F14K	Arctic Creek	76.64	23	P	P	11 01 18.5	+1.1
ANM	Nome	76.69	24	P	P	11 01 18.8	+1.1
CHNA	Chernabura Isl	76.69	34	P	P	11 01 18.6	+0.7
L14K	Kuka Creek	76.81	27	I Amb	I Amb	11 01 23.3	
L14K	Kuka Creek	76.81	27	P	P	11 01 19.4	+1.0
J14K	Nanvaranak Lak	76.85	26	I Amb	I Amb	11 01 21.3	
J14K	Nanvaranak Lak	76.85	26	P	P	11 01 19.9	+1.3
N14K	Kuskokwak Cree	76.87	29	P	P	11 01 20.0	+1.2
O14K	Tiguykaiuivt M	76.90	30	P	P	11 01 20.0	+1.1
M14K	Bethel	76.97	28	I Amb	I Amb	11 01 36.3	
M14K	Bethel	76.97	28	P	P	11 01 20.1	+0.8
F15K	North Star Dit	77.37	23	I Amb	I Amb	11 01 46.7	
F15K	North Star Dit	77.37	23	P	P	11 01 23.1	+1.5
G15K	Niukuk	77.37	24	P	P	11 01 22.7	+1.2
SMRA	Abu-Samra	77.45	294	P	P	11 01 22.5	-0.3
L15K	Ungalak Mounta	77.45	27	P	P	11 01 23.4	+1.3
M15K	Kasigliuk River	77.56	28	P	P	11 01 23.5	+0.8
O15K	Ungalithiuk R	77.59	30	P	P	11 01 24.4	+1.5
K15K	Wolf Creek Mou	77.61	27	P	P	11 01 34.6	
K15K	Wolf Creek Mou	77.61	27	P	P	11 01 24.1	+1.2
CHGN	Chignik	77.67	33	P	P	11 01 23.4	+0.1
N15K	Kwethluk River	77.71	29	I Amb	I Amb	11 01 28.2	
N15K	Kwethluk River	77.71	29	P	P	11 01 24.3	+0.8
H16K	Elim	77.99	24	P	P	11 01 26.0	+1.1
C16K	Lisburne Hills	78.02	20	I Amb	I Amb	11 01 36.2	
C16K	Lisburne Hills	78.02	20	P	P	11 01 26.3	+1.2
G16K	Koyuk River	78.17	24	P	P	11 01 27.1	+1.1
J16K	Anvik River	78.29	26	I Amb	I Amb	11 01 48.7	
J16K	Anvik River	78.29	26	P	P	11 01 28.3	+1.6
R16K	Pilot Point	78.38	32	P	P	11 01 27.9	+0.6
L16K	Owhat River	78.39	28	I Amb	I Amb	11 01 48.7	
L16K	Owhat River	78.39	28	P	P	11 01 28.8	+1.5
I17K	Unalakleet	78.42	25	I Amb	I Amb	11 01 39.2	
I17K	Unalakleet	78.42	25	P	P	11 01 29.1	+1.7
N16K	Nishik Lake	78.42	29	P	P	11 01 28.8	+1.3
M16K	Timber Creek	78.46	28	I Amb	I Amb	11 01 49.2	
M16K	Timber Creek	78.46	28	P	P	11 01 29.2	+1.5
P16K	Nushagak River	78.48	30	P	P	11 01 28.9	+1.1
O16K	Kokwok River B	78.55	30	P	P	11 01 28.9	+0.7
D17K	Noatak River	78.63	21	P	P	11 01 29.4	+1.0
RDG	Red Dog Mine	78.80	21	I Amb	I Amb	11 01 48.1	
RDG	Red Dog Mine	78.80	21	P	P	11 01 30.9	+1.4
C17K	DeLong Mountai	78.85	20	P	P	11 01 31.3	+1.6
G17K	Kiwalik Inlet	78.89	24	P	P	11 01 31.4	+1.5
E17K	Hotham Inlet	78.89	22	P	P	11 01 31.4	+1.4
F17K	Baldwin Pennin	78.92	23	P	P	11 01 31.9	+1.9
J17K	VABM Dome	78.99	26	I Amb	I Amb	11 01 42.2	
J17K	VABM Dome	78.99	26	P	P	11 01 32.3	+1.8
H17K	Granite Mounta	79.03	24	P	P	11 01 32.9	+2.1
L17K	Donlin	79.03	27	P	P	11 01 32.3	+1.5
O17K	Kolliganek Bris	79.08	30	P	P	11 01 32.9	+1.8
Q16K	King Salmon	79.08	31	P	P	11 01 32.7	+1.6
CHIR	Chirikof Islan	79.11	34	P	P	11 01 33.5	+2.1
K17K	Iditarod	79.17	27	I Amb	I Amb	11 01 59.3	
K17K	Iditarod	79.17	27	P	P	11 01 33.2	+1.7
N17K	Nushagak Hills	79.20	29	P	P	11 01 33.5	+1.8
M17K	Hollina River	79.27	28	I Amb	I Amb	11 01 60.0	
M17K	Hollina River	79.27	28	P	P	11 01 33.9	+1.8
P17K	Kvichak River	79.30	30	P	P	11 01 33.6	+1.3
Q17K	Contact Creek	79.40	31	P	P	11 01 34.8	+1.8
E18K	Tukpahleark C	79.45	22	I Amb	I Amb	11 01 44.5	
E18K	Tukpahleark C	79.45	22	P	P	11 01 34.6	+1.6
F18K	Selawik	79.58	23	P	P	11 01 34.9	+1.3
C18K	Utukok River	79.59	21	I Amb	I Amb	11 01 44.9	

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C18K	Utukok River	79.59	21	P	P	11 01 34.6	+0.8
B18K	Kokolik River	79.60	20	P	P	11 01 35.3	+1.6
ACHA	Ang Creek	79.69	31	I Amb	I Amb	11 02 00.5	
H18K	Honhosa River	79.72	24	I Amb	I Amb	11 01 38.1	
H18K	Honhosa River	79.72	24	P	P	11 01 35.9	+1.4
L18K	Granite Mounta	79.79	27	P	P	11 01 36.6	+1.7
G18K	Tagagawik	79.79	23	P	P	11 01 36.1	+1.2
N18K	Kilae Creek	79.86	29	P	P	11 01 36.4	+1.0
Q18K	Katmai Hardscr	79.93	31	P	P	11 01 36.2	+0.3
P18K	Big Mountain	79.94	30	P	P	11 01 36.7	+0.9
SII	Sitkinak Islan	80.02	33	P	P	11 01 37.0	+0.7
O18K	Koktuh Hill	80.04	30	I Amb	I Amb	11 01 57.8	
O18K	Koktuh Hill	80.04	30	P	P	11 01 37.5	+1.1
J18K	Innokk River	80.04	26	P	P	11 01 37.8	+1.6
R18K	Kariuk	80.04	32	P	P	11 01 36.8	+0.5
M18K	Stony River	80.04	28	P	P	11 01 37.9	+1.6
A19K	Wainwright	80.10	19	P	P	11 01 38.2	+1.8
TTA	Tatalina	80.24	27	P	P	11 01 38.6	+1.1
GCSA	Galen City Sc	80.24	25	P	P	11 01 38.3	+1.0
F19K	Shalerucik Mo	80.36	23	I Amb	I Amb	11 01 40.1	
F19K	Shalerucik Mo	80.36	23	P	P	11 01 39.2	+1.3
G19K	Purcell Mounta	80.47	23	I Amb	I Amb	11 01 49.9	
G19K	Purcell Mounta	80.47	23	P	P	11 01 39.7	+1.2
O19K	Port Aisworth	80.53	30	I Amb	I Amb	11 02 00.8	
O19K	Port Aisworth	80.53	30	P	P	11 01 40.0	+1.1
N19K	Bonanza Creek	80.56	29	I Amb	I Amb	11 02 01.0	
N19K	Bonanza Creek	80.56	29	P	P	11 01 40.2	+0.9
H19K	Roundabout Mou	80.59	24	I Amb	I Amb	11 02 07.7	
H19K	Roundabout Mou	80.59	24	P	P	11 01 40.5	+1.3
OHAK	Old Harbor	80.61	33	P	P	11 01 39.5	+0.1
J19K	Poorman	80.62	26	I Amb	I Amb	11 01 51.4	
J19K	Poorman	80.62	26	P	P	11 01 40.5	+1.1
L19K	White Mountain	80.62	28	I Amb	I Amb	11 01 50.9	
L19K	White Mountain	80.62	28	P	P	11 01 40.2	+0.7
D19K	Kuna River	80.64	21	I Amb	I Amb	11 01 58.3	
D19K	Kuna River	80.64	21	P	P	11 01 40.8	+1.3
Q19K	Cape Douglas,	80.67	31	P	P	11 01 40.4	+0.6
E19K	Redstone River	80.71	22	I Amb	I Amb	11 01 51.5	
E19K	Redstone River	80.71	22	P	P	11 01 41.1	+1.3
AKT	Akhty	80.85	311	eP	P	11 01 40.3	-1.0
AKT	Akhty	80.85	311	eP	P	11 01 48.1	
AKT	Akhty	80.85	311	eP	pmax	11 04 46.8	
P19K	Oil Pt	80.99	30	P	P	11 01 42.1	+0.6
KDAK	Kodiak Island	81.06	32	LR	LR	11 34 11.1	
KDAK	Kodiak Island	81.06	32	P	P	11 01 43.0	+1.2
MAK	Makhachkala	81.11	313	c i P	P	11 01 36.3	-6.1
MAK	Makhachkala	81.11	313	c i P	P	11 04 47.7	
MAK	Makhachkala	81.11	313	c i P	PPP	11 06 39.0	
MAK	Makhachkala	81.11	313	c i P	SS	11 17 06.1	+0.3
MAK	Makhachkala	81.11	313	c i P	SSS	11 20 30.2	
MAK	Makhachkala	81.11	313	c i P	pmax	11 20 30.2	
L20K	Farewell Ak	81.12	27	P	P	11 01 43.7	+1.6
K20K	Telida	81.18	26	P	P	11 01 44.3	+1.9
F20K	Avarak Lake	81.20	23	P	P	11 01 44.3	+1.9
H20K	Anotlieega Mo	81.22	24	P	P	11 01 44.3	+1.7
D20K	Etiulik River	81.23	21	P	P	11 01 43.4	+0.8
I20K	Naaghenedeel	81.26	25	P	P	11 01 44.0	+1.3
Q20K	Shuyak Island	81.27	31	P	P	11 01 44.7	+1.8
E20K	Nigu River	81.28	21	P	P	11 01 44.4	+1.5
J20K	Nowinta River	81.29	26	I Amb	I Amb	11 01 54.5	
J20K	Nowinta River	81.29	26	P	P	11 01 44.5	+1.6
B20K	Meade River	81.34	20	I Amb	I Amb	11 01 47.8	
B20K	Meade River	81.34	20	P	P	11 01 44.5	+1.4
O20K	Slope Mountain	81.36	30	P	P	11 01	

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like D25K, PAX, PRX, J25K, F25K, F25K, HARP, E25K, E25K, RIDG, VRH, BMRM, N25K, N25K, KAIM, C26K, BMAR, F26K, SCRK, G26K, J26L, C27K, L26K, I26K, M26K, ERBR, ERBR, ERBR, ERBR, KLMR, KLMR, KLMR, KLMR, E27K, G27K, G27K, L27K, L27K, I27K, H27K, SOC, SOC, SOC, SOC, VORD, VORD, D27M, VORR, VORR, EGAK, VSR, LPSR, LPSR, BVCY, F28M, YUK3, E28M, E28M, I28M, O28M, P28M, M05, M05, M05, YUK8, DAWY, H29M, E29M, G29M, G29M, I29M, J29M, YUK4, M29M, OBN, OBN, OBN, OBN, L29M, L29M, L29M, O29M, ANN, ANN, ANN, ANN, YUK6, K29M, EPYK, APA, APA, G30M.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like P29M, H30T, F30T, I30M, N30M, M30M, J30M, P30M, MAYO, O30N, PLBC, G31M, N31M, INK, H31M, F31M, S31K, R31K, SKAG, WHY, M31M, SIT, R32K, FARO, S32K, P32M, N32M, P33M, ARCES, KMB0, KMB0, EIL, BR13, BR13, A36M, T33K, Q32M, U33M, TAOE, TAOE, TAOE, TAOE, CRAG, WRAC, R33M, S34M, V35K, C36M, FINES, FINES, FINES, DLBC, DLBC, T35M, WTLY, AKASG, AKAB, QSPA, QSPA, QSPA, U35K, WRGLY, TOAD, BBB, KOTAN, RES, RES, ELIB, YKA, YKA, YKA, NOA, R11B, PDAR, Q23A, Q23A, Q24A, 121A, Y22D, T25A, CART, ESDC, TXAR.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like COI, DRI0, JCT, JCT, BRDY, S39A, L44A, 435B, TORD, TORD, O48B, L61B, DBIC, DBIC, PLCA, B102, B002, HDC, CHIV, LCO, LCO, PLTB, PB14, HATO, CPUP, CPUP, LPAZ, LPAZ, DMN, India-Bangladesh border region, ODAN, ODAN, TAPN, RAMN, RAMN, GUN, GUN, PKI, PKI, PKIN, PKIN, GKN, GKN, KOLN, KOLN, KOLN, DANN, DANN, PYUN, PYUN, BJI, MOS, IDC, MAN, NEIC, DJA, GGMT, ISC, Code, TNTI, TNTI, TNTI, TNTI, LBMI, DAV, DAV, DAV, SWI, KMSI, SANI, SANI, MSAI, NLAI, AAI, FAKI, LUWI, LUWI, BNDI, BNDI, TOL2, APSI, MYLMI, TTSI, SMPI.

16d 10h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SPSI Sidrap Palu, BKSI Bulukumba, KAPI Kappang, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like LYN LYN, PZH PanZhiHu, MORW Morawa, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like GRNR Gornyy, GRNR Gornyy, GRNR Gornyy, etc.

ZAAO	Zalesovo Array	61.68 332	P	I	11 03 30.7	-2.0
ZAAO			I	Amb	11 03 33.4	
ZALV	Zalesovo Beam	61.68 332	P	P	11 03 30.5	-2.2
ZALV	Zalesovo Beam	61.68 332	P	P	11 03 30.8	-1.9
ZALV	Zalesovo Beam	61.68 332	eP	P	11 03 31.2	-1.5
ZALV			pmax	pmax		
AAK	Ala-Archa	61.83 3171	eP	P	11 03 32.6	-1.6
AAK			pmax	pmax		
SEY	Seymchan	61.85 12	P	P	11 03 34.0	+0.3
SEY	Seymchan	61.85 12	eP	P	11 03 29.4	-4.3
SEY			pmax	pmax		
SGDS	Sogindy	62.06 318	eP	P	11 03 34.5	-1.1
SGDS	Sogindy	62.06 318	eP	P	11 03 34.5	-1.1
KURK	Kurchatov	62.98 327	P	P	11 03 40.3	-1.2
KURK	Kurchatov	62.98 327	eP	P	11 03 40.7	-0.8
KURK			pmax	pmax		
KURKB	Kurchatov	62.98 327	P	P	11 03 40.4	-1.1
KURKB			pmax	pmax		
BTL5	Baital	63.09 320	eP	P	11 03 41.4	-1.0
BTL5			pmax	pmax		
BTL5	Baital	63.09 320	eP	P	11 03 41.4	-1.0
KBL	Kabul	63.19 307	P	P	11 03 42.9	-0.6
KBL			I	Amb	11 03 54.0	
KBL	Kabul	63.19 307	P	P	11 03 42.9	-0.6
KBL			pmax	pmax		
BTK	Batken	63.47 313	P	P	11 03 45.2	+0.1
GAR	Garm	63.50 312	P	P	11 03 44.2	-1.2
DZA	Taraz	64.08 317	eP	P	11 03 48.0	-1.0
DZA	Taraz	64.08 317	eP	P	11 03 48.1	-1.0
KKAR	Karatay Array	64.72 317	P	P	11 03 52.0	-1.2
KKAR	Karatay Array	64.72 317	P	P	11 03 52.0	-1.2
KKAR			pmax	pmax		
IUG	Iuzhnay	64.73 315	eP	P	11 03 52.3	-1.0
IUG			pmax	pmax		
IUG	Iuzhnay	64.73 315	eP	P	11 03 52.4	-1.0
IUG			pmax	pmax		
CHM	Chimkent	65.08 315	eP	P	11 03 54.7	-0.8
CHM	Chimkent	65.08 315	eP	P	11 03 54.7	-0.8
BRLS	Borolday	65.16 316	eP	P	11 03 55.1	-0.9
BRLS			pmax	pmax		
BRLS	Borolday	65.16 316	eP	P	11 03 55.2	-0.9
BRLS			pmax	pmax		
TIXI	Tiksi	68.07 0	P	P	11 04 12.7	-1.3
TIXI	Tiksi	68.07 0	eP	P	11 04 13.1	-0.9
TIXI			pmax	pmax		
BVAR	Borovoye Array	68.57 327	P	P	11 04 16.1	-1.4
BVAR			pmax	pmax		
BRVK	Borovoye	68.64 327	P	I	11 04 16.6	-1.4
BRVK			I	Amb	11 04 29.2	
BRVK	Borovoye	68.64 327	eP	P	11 04 16.5	-1.4
BRVK			pmax	pmax		
BILL	Bilibino	69.31 141	iP	P	11 04 21.5	-0.2
BILL			pmax	pmax		
NIKH	Nikolski High	70.92 35	P	P	11 04 32.1	+0.2
NIKH	Noril'sk	71.13 346	P	P	11 04 32.0	-0.8
NIKH			I	Amb	11 04 34.2	
NIKH	Noril'sk	71.13 346	P	P	11 04 32.3	-0.6
NIKH			pmax	pmax		
NIKH	Noril'sk	71.13 346	eP	P	11 04 33.4	+0.5
NIKH			pmax	pmax		
SPIA	Saint Paul Isl	71.74 30	P	P	11 04 37.2	+0.4
SPIA			pmax	pmax		
P0V8	Saint George I	71.87 31	P	P	11 04 37.7	+0.2
P0V8			pmax	pmax		
UNBK	Unalaska Valle	72.54 34	P	P	11 04 42.2	+0.7
UNBK			pmax	pmax		
ABKAR	Akbulak array	73.55 320	P	P	11 04 46.1	-1.6
GAMB	Gambell	73.85 24	P	P	11 04 50.0	+0.9
S12K	Black Hills	75.55 33	P	P	11 05 00.2	+1.1
TNA	Tin City	76.07 23	P	P	11 05 03.5	+1.6
K13K	Kusilvak Mount	76.11 27	I	Amb	11 05 05.7	
K13K			I	Amb	11 05 05.7	
K13K	Kusilvak Mount	76.11 27	P	P	11 05 03.4	+1.2
K13K			pmax	pmax		
M13K	Dall Lake	76.23 28	P	P	11 05 03.7	+0.8
ANM	Nome	76.71 24	P	P	11 05 06.7	+1.1
L14K	Kuka Creek	76.82 27	I	Amb	11 05 09.8	
L14K			I	Amb	11 05 09.8	
L14K	Kuka Creek	76.82 27	P	P	11 05 07.1	+0.9
L14K			pmax	pmax		
J14K	Nanvaranak Lak	76.86 26	I	Amb	11 05 08.8	
J14K			I	Amb	11 05 08.4	+2.0
N14K	Kuskokwak Cree	76.89 29	P	P	11 05 07.8	+1.2
O14K	Tiguykaiuivt M	76.91 30	P	P	11 05 08.1	+1.3
M14K	Bethel	76.99 28	P	P	11 05 07.9	+0.8
M14K	Bethel	76.99 28	P	P	11 05 08.7	+1.6
F15K	North Star Dit	77.39 23	P	P	11 05 10.7	+1.3
G15K	Niukluk	77.39 24	P	P	11 05 10.9	+1.5
L15K	Ungalak Mounta	77.47 27	P	P	11 05 11.2	+1.3
M15K	Kasigluk River	77.57 28	P	P	11 05 11.8	+1.3
O15K	Ungalikthiuk R	77.61 30	P	P	11 05 12.6	+1.9
K15K	Wolf Creek Mou	77.62 27	I	Amb	11 05 14.3	
K15K			I	Amb	11 05 12.3	+1.5
CHGN	Chignik	77.68 33	P	P	11 05 12.1	+1.0
N15K	Kwethluk River	77.72 29	P	P	11 05 12.0	+0.7
H16K	Elim	78.01 24	P	P	11 05 13.7	+0.8
C16K	Lisburne Hills	78.04 20	I	Amb	11 05 15.8	
C16K			I	Amb	11 05 14.1	+1.1
G16K	Koyuk River	78.19 24	P	P	11 05 15.2	+1.4
J16K	Anvik River	78.31 26	P	P	11 05 15.3	+0.7
R16K	Pilot Point	78.40 32	P	P	11 05 15.6	+0.6
L16K	Owhat River	78.40 28	I	Amb	11 05 18.4	
L16K	Owhat River	78.40 28	P	P	11 05 15.9	+0.8
I17K	Unalakleet	78.44 25	I	Amb	11 05 18.9	
I17K	Unalakleet	78.44 25	P	P	11 05 16.2	+1.0
N16K	Nishlik Lake	78.44 29	P	P	11 05 16.2	+0.9
M16K	Timber Creek	78.48 28	I	Amb	11 05 18.9	
M16K	Timber Creek	78.48 28	P	P	11 05 16.5	+1.0

P16K	Nushagak River	78.49 30	P	P	11 05 16.8	+1.1
O16K	Kokwok River B	78.57 30	I	Amb	11 05 18.8	
O16K	Kokwok River B	78.57 30	P	P	11 05 17.0	+1.0
D17K	Noatak River	78.65 21	P	P	11 05 17.7	+1.4
RDOG	Red Dog Mine	78.82 21	I	Amb	11 05 20.5	
RDOG	Red Dog Mine	78.82 21	P	P	11 05 18.9	+1.6
G17K	Kiwalik Mount	78.90 24	P	P	11 05 19.7	+1.9
E17K	Hoatham Inlet	78.91 22	P	P	11 05 19.1	+1.4
F17K	Baldwin Pennin	78.94 23	I	Amb	11 05 21.2	
F17K	Baldwin Pennin	78.94 23	P	P	11 05 18.6	+0.7
J17K	VAMB Dome	79.00 26	I	Amb	11 05 25.2	
L17K	Dotlit	79.05 27	P	P	11 05 20.4	+1.7
H17K	Granite Mounta	79.05 24	P	P	11 05 20.0	+1.4
O17K	Koliganek Bris	79.10 30	P	P	11 05 20.3	+1.4
CHIR	Chirikof Islan	79.12 34	P	P	11 05 20.8	+1.6
K17K	Iditarod	79.18 27	I	Amb	11 05 24.3	
K17K	Iditarod	79.18 27	P	P	11 05 21.1	+1.8
N17K	Nushagak Hills	79.21 29	P	P	11 05 20.5	+0.9
M17K	Holtina River	79.28 28	P	P	11 05 21.2	+1.2
Q17K	Contact Creek	79.42 31	P	P	11 05 22.0	+1.2
E18K	Tukpahleirik C	79.47 22	I	Amb	11 05 24.2	
E18K	Tukpahleirik C	79.47 22	P	P	11 05 22.4	+1.6
F18K	Selawik	79.60 23	P	P	11 05 23.0	+1.5
C18K	Utukok River	79.61 20	P	P	11 05 23.2	+1.5
H18K	Honhosa River	79.74 24	P	P	11 05 23.9	+1.5
L18K	Granite Mounta	79.80 27	P	P	11 05 24.5	+1.7
G18K	Tagagawik	79.81 23	P	P	11 05 23.9	+1.2
N18K	Kilae Creek	79.87 29	P	P	11 05 24.1	+1.0
Q18K	Katmai Hardscr	79.94 31	P	P	11 05 24.3	+0.6
P18K	Big Mountain,	79.96 30	P	P	11 05 24.8	+1.1
SI	Sitkinak Islan	80.04 33	P	P	11 05 24.9	+0.8
O18K	Koktuh Hills	80.05 30	P	P	11 05 24.9	+0.7
J18K	Innok River	80.05 26	P	P	11 05 25.7	+1.6
M18K	Stony River	80.06 28	P	P	11 05 25.1	+1.0
TTA	Tatalina	80.25 27	P	P	11 05 26.2	+0.9
GCSA	Galena City Sc	80.26 25	P	P	11 05 25.7	+0.6
F19K	Shaluckick Mo	80.38 23	P	P	11 05 27.2	+1.5
G19K	Purcil Mounta	80.49 23	I	Amb	11 05 29.6	
G19K	Purcil Mounta	80.49 23	P	P	11 05 26.9	+0.5
O19K	Port Alsworth	80.55 30	P	P	11 05 27.7	+0.9
N19K	Bonanza Creek	80.57 29	I	Amb	11 05 27.7	+0.9
N19K	Bonanza Creek	80.57 29	P	P	11 05 28.6	+1.5
H19K	Roundabout Mou	80.61 24	I	Amb	11 05 30.5	
OHA	Old Harbor	80.62 33	P	P	11 05 28.8	+1.6
J19K	Poorman	80.64 26	I	Amb	11 05 30.6	
J19K	Poorman	80.64 26	P	P	11 05 27.8	+0.6
L19K	White Mountain	80.64 28	P	P	11 05 27.8	+0.5
D19K	Kuna River	80.66 21	P	P	11 05 27.8	+0.5
E19K	Redstone River	80.73 22	P	P	11 05 28.7	+1.0
KDAK	Kodiak Island	81.08 32	P	P	11 05 30.8	+1.2
L20K	Farewell, AK	81.14 27	P	P	11 05 31.1	+1.2
K20K	Telida	81.20 26	P	P	11 05 31.2	+1.0
F20K	Avarart Lake	81.22 23	I	Amb	11 05 33.7	
F20K	Avarart Lake	81.22 23	P	P	11 05 31.1	+0.9
H20K	Anotleneega Mo	81.24 24	P	P	11 05 31.0	+0.6
D20K	Etiluk River	81.25 21	P	P	11 05 30.4	-0.1
I20K	Naaenedelek	81.28 25	P	P	11 05 31.8	+1.2
Q20K	Shuyak Island	81.28 31	P	P	11 05 31.2	+0.5
E20K	Nigiv River	81.30 21	P	P	11 05 31.7	+0.9
J20K	Nowinta River	81.31 26	I	Amb	11 05 34.4	
J20K	Nowinta River	81.31 26	P	P	11 05 31.8	+1.0
B20K	Meade River	81.36 20	I	Amb	11 05 34.2	
M20K	Styx River	81.39 28	P	P	11 05 32.9	+1.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like J30M Hart River, P30M Million Dollar, INK Inuvik, H31M Peel River, F31M Tsighehtich, SKAG Skagway, ARCES ARCESS Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, MJAR Matsuura Arr, YAK Yakutsk, MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, etc.

JMA 16 10:54:35.8, 0.5, 44°N, 133°E, h296km, 4km, MV2.8/34, EASTERN SEA OF JAPAN

ISC 16 10:54:36.8, 1.1, 44°N, 138.74E, h260km, 15km, mb3.3/7, mbtm2.9/13, Error ellipse: s-maj=18.1km s-min=14.7km az=77.0

ISC 16 10:54:37.8, 0.8, 44°28'N, 106°13'13"E, h300km, n34, s15/38, mb3.6/7, Eastern Sea of Japan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JSH Shimam, JRH Rebuntou, JHR Hokuryu, JOSH Okushiri-Mats, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, BVAR Borovoye Array, YKA Yellowknife Ar, FINES FINES Array B, etc.

ISC 16 11:00:33.4, 0.7, 3°48'N, 128°52'E, h0km, mb4.1/15, mbtm4.1/15, Error ellipse: s-maj=34.0km s-min=13.6km az=77.0

DJA 16 11:00:35.1, 0.4, 9°N, 12°9'E, h10km, M4.5/11, mb4.6/7, MLV4.4/11

NEIC 16 11:00:35.4, 0.9, 3°53'N, 128°73'E, 0.10, h10km, 1km, mb4.3/25, Error ellipse: s-maj=16.4km s-min=14.1km az=246.0

ISC 16 11:00:35.3, 0.6, 3°50'N, 128°73'E, 0.1, h10km, n54, s69/97, mb4.3/26, North of Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TNTI Ternate, SWI Sorong, KMSI Cibinong, SANI Sanana, FAKI Fak Fak, etc.

ISC 16 10:53:52.8, 1.3, 3°48'N, 128°36'E, h0km, mb4.9/6, mbtm5.0/6, Error ellipse: s-maj=55.1km s-min=25.2km az=77.0, North of Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, MJAR Matsuura Arr, YAK Yakutsk, MKAR Makanchi Array, USRK Ussutsk Arr, etc.

KURK Kurchatov 63.01 327 P P P 11 11 01.8 -0.7

KK31 Karatay Array 64.76 317 P Iamb Iamb 11 11 13.8 -0.4

KKAR Karatay Array 64.76 317 P P 11 11 13.8 -0.2

TIKI Titik 68.06 0 P P 11 11 34.2 -0.5

BVAR Borovoye Array 68.60 326 P P 11 11 37.5 -1.0

BRVK Borovoye 68.67 326 P P 11 11 38.2 -0.7

BILL Bilibino 69.28 14 P Iamb Iamb 11 11 43.4 -0.7

CASY Casey 70.84 188 P P 11 11 51.4 -0.6

ABKAR Abkaiuk array 73.59 326 P P 11 12 07.8 -1.0

L16K Lohr River 76.36 28 P P 11 12 35.0 -0.6

B20K Meade River 81.33 20 P Iamb Iamb 11 12 53.1 -0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DJA 16 11:14:54.7, 0.5, 3°N, 12°9'E, h10km, M4.2/9, mb5.6/1, etc.

ECX 16 11:19:36.4, 0.5, 32°20'N, 115°26'W, h12km, 2km, MD2.9, MLV3.1, Fault plane solution: NP1-phi=88.00000, s=88.00000, lambda=1.77.00000

PAS 16 11:19:37.7, 1.7, 32°21'N, 0°11:15:23W, 0.03, h20km, 4km, ML2.9/73, ML2.8/20(NEIC), Error ellipse: s-maj=3.1km s-min=1.6km az=82.0

NEIC 16 11:19:37.2, 3.3, 32°20'N, 0°11:15:23W, 0.02, h10km, 2km, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

MEX 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

ISC 16 11:19:38.0, 1.4, 32°20'N, 115°29'W, h6km, 5km, MD3.5, Error ellipse: s-maj=3.1km s-min=2.9km az=105.0

Table of meteorological data for stations B20K through MTN. Columns include station name, coordinates, time, and various meteorological parameters like wind speed and direction.

Table of meteorological data for stations MTN through OUF. Columns include station name, coordinates, time, and various meteorological parameters like wind speed and direction.

Table of meteorological data for stations OUF through PDR. Columns include station name, coordinates, time, and various meteorological parameters like wind speed and direction.

HEL 16 12:31:23.7:0.1, 63.96N:28.12E, h0km, ML1.9, Suspected explosion

ISC 16 12:31:24.1:0.8, 63.94N:0.03:28.07E:0.03, h0km, n42, r134/66, Finland

SDD 16 12:33:41.4:1.2, 20:23N:66:72W, h158km, 48km, MD3.2, ML2.7, MW3.2, 2D, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like AGPR, AOPR, CELP, etc.

RSPR 16 12:34:17.4, 18:00N:67:69W, h10km, 2km, MD2.6/7, 6C-2D, Mona Passage

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like IDE, LPSR, CRPR, etc.

NCEDC 16 12:42:09.0:1.6, 37:85N:0.01:122:23W:0.01, h12km, 5km, Mw3.4/5, ML3.3/67(NEIC), Error ellipse: s-maj=2.0km

Solution. Moment tensor: Scale 10¹⁴Nm; Mr0:0.5; Mw:1.59; Ms:1.54; Mo:0.41; Mw:0.57; Mw:0.41; Fault plane solution: Mo1.76000,1014 NP1:144.41000°, 671.23000°, 1.176.46000°. NP2:235.55000°, 886.65000°, 1.18.80000°. Principal axes: T 1.7701, Plg16.0000°, Azm102.0000°; N -0.0182, Plg171.0000°, Azm245.0000°; P -1.7519, Plg11.0000°, Azm8.0000°;

NEIC 16 12:42:09.37;85N;122.23W;h12km
ISC 16 12:42:09.0-0.9,37.82N,0.02,122.25W,0.02,h16km,5km,
n126,s190/122,Central California

Code	Station Name	A°	AZ°	Phase ID	ISC	Time Res	ISC
BL67	Building 67, L	0.05	37	Op	Pg	12 42 11.2	-0.9
BKS	Berkeley-Byer	0.06	13		Pg	12 42 11.2	-0.8
VAK	Aditi at Lawren	0.06	2		Pg	12 42 11.2	-0.8
CVPM	Volmer Peak	0.07	20		Pg	12 42 11.4	-0.7
CMCM	Millis College	0.07	14		Pg	12 42 11.7	-0.4
CSPM	San Pablo Ridg	0.14	341		Pg	12 42 12.5	-0.4
CPIM	Pinole Ridge	0.17	10		Pg	12 42 13.0	-0.3
JPRM	Presidio of Sa	0.18	261		Pg	12 42 13.6	+0.3
JSBM	San Bruno Moun	0.18	219		Pg	12 42 13.8	+0.3
JCC	Point Pinole P	0.21	534		Pg	12 42 13.4	-0.4
JMGM	Millage Postgr	0.22	224		Pg	12 42 14.1	-0.2
SAC	San Andres	0.27	209		Pb	12 42 15.4	-0.1
CTAM	Taylor	0.28	42		Pg	12 42 15.3	-0.3
CRPB	Russellman Par	0.29	72		Pg	12 42 14.8	-0.3
NCIB	Niles Canyon	0.31	133		Pb	12 42 16.0	-0.3
EDM	Black Diamond	0.33	67		Pb	12 42 15.9	-0.7
CMOB	Morgan Territo	0.35	92		Pb	12 42 16.8	-0.3
CVLM	Vallecito	0.38	121		Pb	12 42 17.6	+0.1
SNT	Sears Point	0.39	336		Pb	12 42 17.1	-0.5
JRSC	Jasper Ridge	0.42	179		Pb	12 42 18.0	0.0
JSFB	Stanford Teles	0.42	172		Pb	12 42 18.2	+0.1
WNI	Wente Vineyard	0.43	117		Pb	12 42 18.7	+0.2
CBZL	Buffer Zone	0.44	107		Pb	12 42 18.6	+0.1
JFP	Foothills Park	0.46	174		Pb	12 42 18.9	+0.1
NOLM	Olema	0.48	297		Pg	12 42 18.4	-0.1
CBNSC	Byron Hot Spri	0.48	90		Pg	12 42 19.0	-0.1
JJIM	St Joseph	0.50	165		Pb	12 42 19.7	+0.4
JBMM	Black Mountain	0.50	171		Pb	12 42 19.1	0.0
CALM	Calaveras Res.	0.52	136		Pb	12 42 19.5	-0.3
CVS	Carment Viney	0.55	343		Pg	12 42 19.1	-0.8
CVS	Carment Viney	0.55	343	IAML		12 42 28.2	
CVS	comp=N,2um,0.5s			IAML		12 42 30.9	
JEPS	Jepson Natural	0.55	38		Pb	12 42 20.4	+0.1
MCCM	Marconi Confer	0.59	303		Pg	12 42 20.0	-0.7
MCCM	MCCM	0.59	303	Sg	Sg	12 42 28.9	+0.4
FARB	Farallon Islan	0.61	258		Sg	12 42 21.1	+0.2
FARB	Farallon Islan	0.61	258	IAML		12 42 30.0	
FARB	comp=N,5um,0.6s			IAML		12 42 30.0	
OAKV	Oakville Hollar	0.62	348		Pg	12 42 20.3	-1.0
CSTL	Corral Expow	0.62	107		Pg	12 42 21.4	-0.1
JPSM	Point Reyes	0.63	187		Pg	12 42 21.8	+0.2
NPRM	Point Reyes	0.63	286		Pg	12 42 21.1	-0.3
NADM	Allendale	0.67	19		Pg	12 42 22.5	+0.1
MHC	Mount Hamilton	1.00	142		Pb	12 42 23.9	+0.2
CCOB	Coe Ranch Num	0.73	141		Pb	12 42 23.7	+0.4
ARN	Arnold Ranch	0.74	129		Pb	12 42 23.2	-0.4
JLAB	Laurel Hill	0.78	148		Pb	12 42 24.4	+0.2
MTOS	Mt Oso, Westle	0.80	113		Pg	12 42 24.0	-0.5
MTOS	Mt Oso, Westle	0.80	113	IAML		12 42 40.9	
MTOS	comp=N,1um,0.3s			IAML		12 42 42.6	
CMFM	Mikes Peak	0.87	122		Pg	12 42 25.3	-0.7
NHSM	Mount Saint He	0.88	341		Pg	12 42 25.1	-0.8
HLPM	Lions Peak	0.92	148		Pg	12 42 26.0	-0.9
JELB	Ellicott, Sant	0.95	159		Pg	12 42 27.0	-0.5
GHS	Gilroy Hot Spr	0.97	138		Pg	12 42 26.8	-0.9
GAXM	Alexander Vall	0.97	336		Pg	12 42 26.5	-1.3
NMTM	Middletown	0.99	351		Pg	12 42 26.5	-1.7
CCDC	Canada Road	1.00	142		Pb	12 42 27.9	-0.6
HCMB	Chamberlain	1.01	152		Pg	12 42 27.6	-0.8
MNRC	McLaughlin Min	1.07	352		Pb	12 42 29.5	+0.1
ANZ	Anzar Road	1.07	150		Pb	12 42 27.9	-1.9
HTUM	Tustin Road	1.10	154		Pb	12 42 28.3	-1.5
HEFM	Elkhorn Road	1.11	157		Pb	12 42 28.7	-1.1
HSCF	Pacheco Peak	1.12	136		Pb	12 42 31.1	-0.5
HSFM	Saint Francis	1.17	149		Pb	12 42 30.3	-0.6
FRO	Freemont Peak	1.23	150		Pn	12 42 29.7	-1.9
SAP	San Andreas Ge	1.24	149		Pn	12 42 30.2	-1.5
BSRM	Salinas Radio	1.29	133		Pn	12 42 30.9	-1.6
HOPS	Hopland Field	1.34	331		Pn	12 42 31.1	-1.5
HOPS	comp=N,1um,0.4s			IAML		12 42 30.5	
BPNCN	Pine Canyon	1.34	158		Pn	12 42 32.0	-1.2
SCZ	Santa Cruz	1.40	151		Pn	12 42 32.3	-1.6
SCZ	Santa Cruz	1.40	151	IAML		12 42 51.9	
SCZ	comp=N,35nm,0.4s			IAML		12 42 55.1	
BJCM	Johnson Can.	1.45	151		Pn	12 42 33.1	-1.4
SUTB	Sutter Butte	1.45	14		Pn	12 42 31.4	-2.7
SUTB	Sutter Butte	1.45	14		Pn	12 42 50.7	
SUTB	comp=N,437nm,0.5s			IAML		12 42 50.7	
CMB	Columbia Colls	1.49	81		Pn	12 42 34.4	-0.8
CMB	Columbia Colls	1.49	81	IAML		12 42 54.4	
CMB	comp=N,57nm,0.4s			IAML		12 42 33.9	-1.6
AFDM	Forest Hills D	1.51	41		Pn	12 42 33.9	-1.6
AFDM	Forest Hills D	1.51	41	IAML		12 42 57.1	
AFDM	comp=N,39nm,0.4s			IAML		12 42 57.1	
HAST	Hastings Reser	1.54	158		Pn	12 42 34.4	-1.4
BBGB	Big Mountain B	1.57	142		Pn	12 42 35.9	-0.6
BSMM	Soledad Missio	1.58	155		Pn	12 42 35.3	-1.1
BPIM	Pinnaeus	1.59	147		Pn	12 42 35.1	-1.4
BSGM	Shirrtail Gulc	1.62	150		Pn	12 42 35.7	-1.2
OSTM	Stimpson Lane	1.63	18		Pn	12 42 34.9	-2.2
LRV	Little Rabbit	1.71	144		Pn	12 42 37.0	-1.2
LEGD	La Grand CA	1.78	109		Pn	12 42 37.8	-1.3
ORV	Oroville	1.83	18		Pn	12 42 37.2	-2.4
PCCM	Crazy Canyon	1.94	153		Pn	12 42 38.1	-1.1
PMPB	Monarch Peak	1.98	144		Pn	12 42 42.1	+0.2
KCPM	Cahto Peak	2.13	331		Pn	12 42 44.0	-0.1
KCPM	comp=N,143nm,0.8s			IAML		12 42 29.8	
MPK	Martis Peak	2.28	49		Pn	12 42 47.0	+0.7
WAKR	Walker	2.32	72		Pn	12 42 48.2	+1.4
WAKR	Walker	2.32	72	IAML		12 43 19.4	
WAKR	comp=N,231nm,0.8s			IAML		12 43 20.6	
KCC	Kaiser Creek	2.38	101		Pn	12 42 47.8	+0.3
O02D	Mt. Diablo Mer	2.39	350		Pn	12 42 47.5	-0.1
PNTR	Pine Nut	2.44	58		Pn	12 42 49.5	+1.2
PNTR	Pine Nut	2.44	58	IAML		12 43 24.2	
PNTR	comp=N,212nm,0.9s			IAML		12 43 25.9	
PNTR	comp=N,259nm,0.8s			IAML		12 43 25.9	
PWKM	Work Ranch	2.44	145		Pn	12 42 47.9	-0.4
KARE	Kearney REC, C	2.51	118		Pn	12 42 49.2	0.0
MDPB	Devils Postpil	2.52	93		Pn	12 42 50.4	+0.8
MDPB	Devils Postpil	2.52	93	IAML		12 43 23.0	
MDPB	comp=N,164nm,0.4s			IAML		12 43 25.3	
MDPB	comp=N,165nm,0.7s			IAML		12 43 25.3	
MINS	Minaret Summit	2.54	93		Pn	12 42 50.8	+0.7
MRDM	Red Cones	2.54	94		Pn	12 42 50.8	+0.8
MDCM	Deadman Creek	2.55	92		Pn	12 42 50.9	+0.9
MDCM	Deadman Creek	2.55	92		Pn	12 42 52.5	+1.4
YERR	Yerington	2.63	63		Pn	12 42 51.9	+0.8
KMRM	Mali Ridge	2.65	335		Pn	12 42 52.4	+1.1
KMRM	Mali Ridge	2.65	335	IAML		12 43 56.6	
KMRM	comp=N,113nm,2.0s			IAML		12 43 56.6	
MLCM	Laurel Creek C	2.65	94		Pn	12 42 52.6	+1.2
MCSM	Casa Diablo Ho	2.66	93		Pn	12 42 53.0	+1.5
MCSM	Casa Diablo Ho	2.66	93		Pn	12 42 53.0	+1.5
LRDM	Redding Peak	2.71	13		Pn	12 42 52.8	+0.8
MDRNC	Doe Ridge	2.71	93		Pn	12 42 54.1	+1.9
PAHR	Pah Rah Range	2.93	49		Pn	12 42 55.2	+0.1
PAHR	Pah Rah Range	2.93	49	IAML		12 43 43.9	
PAHR	comp=N,126nm,1.3s			IAML		12 43 44.0	
PAHR	comp=N,83nm,0.6s			IAML		12 43 44.0	
LHV	Little Huntton	2.99	81		Pn	12 42 57.1	+1.4

Code	Station Name	A°	AZ°	Phase ID	ISC	Time Res	ISC
LHV	comp=N,133nm,1.0s			IAML		12 43 49.1	
LHV	comp=N,133nm,1.0s			IAML		12 43 51.9	
BHPH	comp=E,160nm,1.0s	3.04	99		Pn	12 42 58.6	+1.9
RYN	Bishop	3.04	74		Pn	12 42 57.3	+0.6
RYN	Ryan	3.04	74	IAML		12 43 48.2	
RYN	comp=N,82nm,1.0s			IAML		12 43 48.4	
HATC	Hat Creek Radr	3.05	11		Pn	12 42 57.3	+0.5
HATC	Hat Creek Radr	3.05	11	IAML		12 43 50.2	
HATC	comp=N,83nm,2.1s			IAML		12 43 53.9	
LBCM	Butte Creek Ri	3.09	13		Pn	12 42 57.9	+0.6
NVAR	Mina Array Bea	3.17	78		Pn	12 42 59.1	+0.6
NVAR	Mina Array Bea	3.17	78	Pn	Pn	12 42 59.0	+0.5
NVAR	comp=N,2.3nm,0.3s,baz=254,slow=16,SNR=46			Lg	Lg	12 43 44.0	
NVAR	comp=N,8.6nm,0.3s,baz=255,slow=26,SNR=61			Lg	Lg	12 43 44.0	
NVAR	comp=N,3.0nm,0.5s			Lg	Lg	12 43 44.0	
JV11	Mina Array ST	3.29	78		Pn	12 43 01.1	+1.1
JCC	Jacoby Creek	3.29	336		Pn	12 43 00.3	+0.4
JCC	comp=N,47nm,2.5s			IAML		12 44 21.4	
JCC	comp=N,47nm,2.5s			IAML		12 44 21.4	
JCC	comp=N,46nm,2.8s			IAML		12 44 42.0	
DSP	Deep Springs	3.43	96		Pn	12 43 02.9	+1.1
ISA	Isabella, Lake	3.72	124		Pn	12 43 06.2	+0.3
ISA	Isabella, Lake	3.72	124	IAML		12 43 54.4	
ISA	comp=N,35nm,0.2s			IAML		12 43 54.3	
ISA	comp=N,35nm,0.2s			IAML		12 43 54.3	
YBH	Yreka Blue Hor	3.92	355		Pn	12 43 09.7	+1.0
GSC	comp=N,0.5nm,0.3s,baz=142,slow=0.7,SNR=7.9			Pn		12 43 09.7	+1.0
GSC	Goldstone, Bar	5.05	118		Pn	12 43 24.5	+0.2
GSC	Goldstone, Bar	5.05	118	IAML		12 44 58.5	
GSC	comp=N,2.3nm,1.8s			IAML		12 45 02.4	
GSC	comp=N,15nm,1.6s			IAML		12 45 02.4	
ELK	Elsinore Mount	5.72	135		Pn	12 43 32.4	-1.0
ELK	Elko	6.17	60		Pn	12 43 39.8	0.0
ELK	comp=N,0.1nm,0.3s,baz=262,slow=14,SNR=2.8			Lg	Lg	12 45 19.3	
ELK	comp=N,0.8nm,0.3s,baz=121,slow=7.0,SNR=8.3			Lg	Lg	12 45 19.3	
ELK	comp=N,0.5nm,0.4s			Lg	Lg	12 45 19.3	
PFO	Pinyon Flats O	6.31	130		Pn	12 43 41.2	-0.4
PFO	Pinyon Flats O	6.31	130				

16d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TWS1 Kuangyinshan, ZUH1 Zhuzihu, NTST1 Danshui, etc.

IDC 16 12:53:08.3.2.2.3.94N-95.52E, h0km, mb3.4/4, mbtmp3.4/6, ML3.5/2, MS2.8/1, Error ellipse: s-maj=65.6km s-min=21.5km az=56.0

DJA 16 12:53:12.4.0.3.5.7N-3.9E, h10km, M4.2/10, mb4.5/1, ML4.1/10

ISC 16 12:53:13.0.1.0.4.76N-0.06-96.17E, 0.06, h29km, n19, a+132/14, mb3.4/4, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MSL1 Meulaboh, LHM1 Lhok Sumawe, LHM1 LHM, etc.

IDC 16 12:58:59.0.0.9.2.75S-76.11W, h0km, mb3.7/7, mbtmp3.7/9, ML4.0/2, MS3.4/5, Error ellipse: s-maj=28.0km s-min=22.5km az=55.0

NEIC 16 12:59:05.1.8.2.87S-0.04-76.1W, 0.1, h38km, 9km, mb4.2/11, Error ellipse: s-maj=14.8km s-min=5.3km az=88.0

RSNC 16 12:59:06.5.0.7.3.2S-7.7W, h219km, 14km, M4.1, mB4.7, mb4.5, ML4.0, Mw(MB)3.9

ISC 16 12:59:00.9.0.5.2.85S-0.04-76.18W, 0.06, h10km, n49, a+185/50, mb3.9/12, Peru-Ecuador border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OTAV1 Otavalo, TULM1 Tulcin-Chalpat, MCR1 Macar, Loja, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TBGT1 Tabatinga, AM, RUSC1 RUSC, RNSC1 El Rosal, etc.

IDC 16 13:16:10.2.1.0.3.07S-146.44E, h0km, mb4.0/10, mbtmp4.0/12, ML2.9/2, MS3.7/21, Error ellipse: s-maj=37.6km s-min=17.0km az=92.0

NEIC 16 13:16:11.8.2.4.3.01S-0.06-146.44E, 0.07, h10km, 1km, mb4.3/18, Error ellipse: s-maj=13.7km s-min=7.8km az=61.0

ISC 16 13:16:12.0.2.0.3.05S-0.08-146.4E, 0.1, h10km, n55, a+132/36, mb4.1/16, MS3.7/18, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MANU1 Manus Island, PMG1 Port Moresby, COEN1 Coen, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VNDA1 Vanda, MAKZ1 Makanchi, L14K1 Kukka Creek, etc.

IDC 16 13:42:27.2.0.0.10.73N-61.91W, h0km, mb3.6/4, mbtmp3.6/4, Error ellipse: s-maj=41.8km s-min=9.8km az=153.0

TRN 16 13:42:31.5.10.40N-62.50W, h3km, MD3.9, Gulf of Paria. FUNV 16 13:42:31.5.10.31N-62.38W, h5km, MW4.0

ISC 16 13:42:32.6.1.2.10.31N-62.46W, 0.03, h29km, 10km, n34, a+175/58, mb3.6/4, 3C, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TRN1 Trinidad (W), TRN1 TRN, TRN1 Brigand Hill, etc.

IDC 16 13:43:25.5.1.4.4.74N-122.37E, h0km, mb3.6/4, mbtmp3.6/5, Error ellipse: s-maj=62.8km s-min=20.5km az=63.0, Celebes Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA1 Warramunga Arr, ASAR1 Alice Springs, MKAR1 Makanchi Array, etc.

IDC 16 13:47:01.3.18.0.64.64S-174.34W, h0km, mb3.6/2,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Vanda, QSPA, URZ, DZM, ASAR, WRA, HNR, LPAZ.

IDC 16 13:48:41.1-6.7, 10.63N-62.28W, h0km, mb3.6/4, mbtmp3.6/5, ML3.3/1, Error ellipse: s-maj=145.3km s-min=31.6km az=147.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TRN, CUMV, GRFF, GRGR, GRHS, PCRV, PCRV, PCRV, TOSP, GCMP, SVB, MCLT, SLAC, SLAC, MERV, MERV, SLBI, SLBI, BINI, TACV, CACV, CACV, BENV, BENV, BAUV, BAUV, BAUV, ULM, PDAR, YKA, ILAR.

AUST 16 04:26.0±1.4, 33°S x 119°E, h10km, ML1.9/3, Error ellipse: s-maj=22.9km s-min=7.4km az=100.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AUKUL, AUKUL, GNOUT, COR2, COR2, NWA0, NWA0, NWA0, PING, KLBR, KLBR, KLBR, LM03, LM03, LM03, LM04, LM04, LM04, LM04, LM04, MUN, MUN.

IDC 16 14:13:58.7±3.2, 29.79S x 177.52W, h0km, mb3.5/2, mbtmp3.6/3, ML2.9/1, Error ellipse: s-maj=61.1km s-min=18.3km az=83.0, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RAO, RAO, URZ, URZ, URZ, ASAR, WRA, FINES.

TRN 16 14:16:30.9, 10.59N-63.37W, h3km, MD0.0, Venezuela. FUNV 16 14:16:30.2, 10.52N-63.21W, h5km, MW3.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CUMV, CUMV, PCRV, PCRV, PCRV, TRN.

Table with columns: TRN, GRGR, GCMP, GCMP, TOSP, MCLT, BAUV.

DJA 16 14:26:37.0±3.9, 5°S x 12°0E, h44km, 6km, M3.7/10, mb3.9/2, MLV3.7/10, Sumba region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WBSI, WBSI, WSI, WSI, BASH, BASH, PLAI, PLAI, PLAI, TWSI, TWSI, TWSI, BKSU, BKSU, BATI, BATI, JAGI, JAGI.

PDG 16 14:42:32.7±0.7, 43.04N x 177.04E, h4km, 2km, ML2.9/13, Error ellipse: s-maj=1.3km s-min=1.6km az=0.0

RHSSO 16 14:42:34.2±0.3, 43.06N x 177.04E, h8km, 2km, ML2.7/13 BEO 16 14:42:35.3±0.4, 43.13N x 177.05E, h8km, 2km, ML2.6/14

VIE 16 14:42:37.0±0.8, 43.25N x 177.06E, h8km, mb2.7/5, ML2.5/5, Error ellipse: s-maj=1.4km s-min=1.5km az=5.3km

ISC 16 14:42:33.9±1.1, 43.09N-102.1705E, h4km, 6km, n74, c082/140, 16C-8D, Northwestern Balkan Peninsula

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAK, MAK, LSTV, LSTV, HVAR, HVAR, STON, STON, STON, STON, KALIN, KALIN, BRY, BRY, BRY, ZIRJ, ZIRJ, HCY, HCY, HCY, MORI, MORI, MORI, UMAC, UMAC, UMAC, UMAC, NKME, NKME, NKME, A050A, A050A, CEME, CEME, BUM, BUM, BUM, BLY, BLY, BLY, HAPS, HAPS, HAPS, HAPS, DUGI, DUGI, DUGI, UDBI, UDBI, UDBI, PLE, PLE, PDG, PDG, PDG, PDG, PDG, SLATY, SLATY, RUDO, RUDO, RUDO, DRME, DRME, DRME, DOB, DOB, DOB, KOME, KOME, KOME, BBLs, BBLs, BBLs, VIRC, VIRC, VIRC, A051A, A051A, ULIC, ULIC, PLIT, PLIT, PLIT, IVA, IVA, IVA, SLES, SLES, SLES, NVLJ, NVLJ, PUV, PUV, PUV, IVAS, IVAS, IVAS, TEKS, TEKS, TEKS, TEKS, DIVS, DIVS, TRUJ, TRUJ, TRUJ, BOJS, BOJS, BOJS, GRUS, GRUS, GRUS, FRGS, FRGS, FRGS, FRGS, CRES, CRES, CRES, AVAS, AVAS, AVAS, SELS, SELS, CEY, CEY.

Table with columns: CEY, SKDS, MORH, MORH, BERH, BERH, BARJ, BARJ, OBKA, OBKA, OBKA, SOKA, SOKA, ZAPS, ZAPS, ARSA, ARSA, ARSA, ARSA, ROSALIA, ROSALIA, RONA, RONA, CONA, CONA, CONA.

SKO 16 14:49:58.0, 41.34N-22.63E, h5km, ML0.8, 1D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VAY, VAY, VAY, VAY, VAY, VAY, KNT, KNT, KNT, GRG, GRG, PEHC, PEHC, PEHC, KKB, KKB, KKB.

IDC 16 14:54:43.2±1.6, 0.23°S x 70.48E, h0km, mb3.4/4, mbtmp3.4/4, MS3.5/8, Error ellipse: s-maj=545.1km s-min=36.2km az=50.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H08S1, H08S2, H08S3, H04N2, H04N1, H04N3, PALK, PSI, BOSI, LBTB, SUR, TSUM, CMAR, BRDH, ASAR, WRA, MKAR, KURBB.

IDC 16 15:07:37.5±17.0, 24.79S-68.76E, h0km, mb3.4/3, mbtmp3.4/3, Error ellipse: s-maj=580.1km s-min=46.6km az=52.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H04N2, H04N1, ASAR, WRA, MKAR.

IDC 16 15:35:33.9±1.4, 29.91S x 166.65E, h0km, mb4.1/7, mbtmp4.3/8, ML1.5/2, MS3.5/7, Error ellipse: s-maj=32.3km s-min=25.0km az=70.0

NEIC 16 15:35:36.8±1.6, 29.95S-166.3E, h10km, 1km, mb4.3/15, Error ellipse: s-maj=16.9km s-min=15.7km az=77.0

NOU 16 15:35:37.3±29.88S-166.41E, h12km, mb4.6/38, Norfolk Islands, Australia Region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NFK, NFK, LHI, LHI, OUCN, OUCN, OUCN, OUCN, OUCN, OUCN, OUCN, OUCN, OUCN.

16d 15h

Table of astronomical observations for 16 days and 15 hours, listing station names, coordinates, and observation details.

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Main table of astronomical observations for January 2019, including station names, coordinates, and observation details.

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Table of astronomical observations for 928, listing station names, coordinates, and observation details.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, BALAH Balakhonka, KURBB Kurchatov Arra, etc.

IDC 16:19:34.04.6.7.7, 16'32Sx177.24W, h0km, mb3.4/3, mbmp3.4/3, Error ellipse: s-maj=334.1km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

JMA 16:19:38:47.0.2.30.0'N114.1'E1, h56km, MV4.2/13, NEAR TORISHIMA IS

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 16:19:38:49.2.0.7.30.36'N0.06:141.2E:0.1, h91km, n26, 1947/24, mb3.6/10, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JHJ2 Mitsune, CBJJ Chichi jima, JMYK Miyake Tsubota, etc.

IDC 16:19:43:24.6.1.9.3.37'N:128.33E, h0km, mb3.2/5, mbmp3.5/5, MS3.2/1, Error ellipse: s-maj=112.8km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KURBB Kurchatov Arra, DRU Darwin Rock St, MTN Mtan Dam, etc.

IDC 16:19:51:14.0.0.8.15.16Sx173.55W, h0km, mb3.9/10, mbmp3.9/10, MS3.6/16, Error ellipse: s-maj=43.8km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AFJ Afiamalu, NIUE Niue, MSVF Nonsavu, etc.

IDC 16:19:51:16.8.0.7.15.15S:0.1x173.3W:0.1, h30km, n43, 2503/27, mb4.2/16, MS3.8/15, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WBO Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FORT Forest, SHEM Shemya Is, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KDAK Kodiak Island, GSPA South Pole Qui, WWOR Wild Horse Val, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ELK Elko, DUN6 Lazy B Ranch, MSU Marysville, etc.

KRNET 16:19:54:28.1d.0.1, 42.47'N:79.91E, h16km, mb2.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, YAK Yakutsk, TKL Tuckaleehc C, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SHLS Shalkode, SHLS Shalkode, UZB Uzynbulak, etc.

IDC 16:20:01:39.8.9.1, 30.77'Sx179.30W, h420km, 107km, mb2.6/2, mbmp3.6/9, Error ellipse: s-maj=98.5km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PDGK Podgornoye, PRZ Przheval'sk, SATY Saty, etc.

IDC 16:20:01:38.6.2.1, 30.6S:0.1x179.4W:0.3, h400km, n17, 1949/31, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, WMGZ Wiomatatini S, HAZ Te Kaha, etc.

IDC 16:20:05:22.3.3.0, 42.83'N:104.86W, h0km, mb2.4/1, mbmp2.9/3, ML3.1/2, MS3.2/3, Error ellipse: s-maj=51.8km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RSSD Black Hills, K22A Casper, N23A Red Feather L, etc.

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Table with columns: BRIGG, comp=N,92nm,1.0s, IAML, 20 07 16.5, etc. Lists various station names and their associated data.

STR 16:20:31:17.1±0.6, 43°N±5.5°, h5km, MLV0.9/5, Error ellipse: s-maj=0.0km s-min=0.0km az=27.3, preliminary

MDD 16:20:31:17.2±0.6, 43°11N±1.1W, h0km, mb_Lg1.2/3, Error ellipse: s-maj=6.8km s-min=3.3km az=18.0

LDG 16:20:31:16.3±0.1, 43°11N±1.2W, h10km, Md1.1/2, Error ellipse: s-maj=2.8km s-min=1.6km az=24.0, Pyrenees region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists station data for SJPFF, IRAF, ORDF, etc.

SJA 16:20:52:12.0±0.7, 21°28S±68°85W, h137km, 7km, ML3.4, MW3.5

GUC 16:20:52:15.6±0.8, 21°26S±68°92W, h116km, 3km, ML3.5

ISC 16:20:52:14.1±1.5, 21°27S±0.04±68°96W±0.05, h127km±1km, n24, c0554/38, 10C, Chile-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists station data for PB01, PB09, PB08, etc.

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Table with columns: GO01, Chusmiza, 1.61 352f, eP, Pn, 20 52 44.0 ±0.2, etc. Lists station data for Chusmiza, IPOC Station P, etc.

GUC 16:21:05:07.3±0.8, 21°26S±67°87W, h184km, 6km, ML3.5

SCB 16:21:05:07.4±1.2, 21°31S±67°78W, h155km±21km, ML3.0/2, MW2.8, Error ellipse: s-maj=7.5km s-min=7.0km az=358.0

ISC 16:21:05:05.2±2.2, 21°31S±0.06±67°85W±0.05, h166km±19km, n21, c1914/35, 4C, Chile-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists station data for PB09, PB08, PB07, etc.

IDC 16:21:07:18.2±7.6, 22°28S±177°76W, h0km, mb4.1/4, mbtmp3.8/10, ML4.1/1, MS3.1/3, Error ellipse: s-maj=30.2km s-min=14.8km az=78.0

ISC 16:21:08:02.7±0.9, 26°89N±102°91E, h0km, mb3.8/9, s-min=39.8km az=32.0, South of Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists station data for STKA, ASAR, WRA, GQSA, etc.

IDC 16:21:08:00.9±0.8, 26°87N±102°91E, h0km, mb3.8/9, mbtmp3.8/10, ML4.1/1, MS3.1/3, Error ellipse: s-maj=30.2km s-min=14.8km az=78.0

ISC 16:21:08:02.7±0.9, 26°89N±102°91E±0.2, h10km, n11, c0578/11, mb3.7/9, MS3.0/3, Sichuan region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists station data for CMAR, CMAR, CMAR, etc.

IDC 16:21:28:16.8±5.8, 7°29S±128°49E, h101km±55km, mb3.5/7, mbtmp4.0/10, Error ellipse: s-maj=68.5km s-min=18.2km az=58.0

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DJA 16:21:28:20.7±0.4, 8°S±5°12'8E, h186km±16km, M4.5/9, mb5.1/1, mb4.4/7, MLV4.6/9, Mw(MBJ)4.4/1

NEIC 16:21:28:21.6±1.7, 7.47S±0.08±128°14E±0.08, h150km±8km, mb4.1/7, Error ellipse: s-maj=11.3km s-min=10.8km az=196.0

ISC 16:21:28:21.4±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists station data for SAUI, SAUI, SAUI, etc.

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

ASAR 16:21:28:21.1±0.6, 7.58S±0.05±128°15E±0.04, h150km±5, c207/60, mb3.6/9, Banda Sea

16d 22h

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STOK	Stokkvaagen	6.65 154	eP	Pn	22 45 46.1	-1.6
STOK			eS	Sn	22 46 55.8	-7.6
STOK			IAML		22 47 06.0	
comp=Z,21nm,0.5s						
STOK			eT	T	22 50 28.3	
KUA	Kurraavaara	6.68 125	P	Pn	22 45 47.1	-1.1
KUA	Kurraavaara	6.68 125	P	Pn	22 45 47.1	-1.1
KBS	Kingsbay	6.69 10	Pn	Pn	22 45 49.5	+1.2
KBS	Kingsbay	6.69 10	Pn	Pn	22 45 48.8	+0.5
KBS	Kingsbay	6.69 10	eP	Pn	22 45 50.8	+1.8
KBS	Kingsbay	6.69 10	eS	Pn	22 45 45.4	-2.9
KBS	Kingsbay	6.69 10	eS	Sn	22 47 01.7	-2.7
KBS	Kingsbay	6.69 10	eP	Pn	22 45 49.0	+0.7
KBS			pmax	pmax		
comp=Z,20nm,1.2s						
KBS	Kingsbay	6.69 10	iP	Pn	22 45 48.6	+0.3
KT1	Kautokeino	6.72 112	eS	Sn	22 45 48.7	0.0
KT1			eS	Sn	22 46 59.9	-5.2
KT1			IAML		22 47 08.2	
comp=Z,6.6nm,0.4s						
KT1	Leirfjorden	6.87 154	eP	T	22 50 32.3	
LEIR			eP	Pn	22 45 49.1	-1.7
LEIR					22 47 08.0	
comp=Z,25nm,0.4s						
LEIR			eT	T	22 50 33.2	
MOR8	Moi Rana	7.00 150	eP	Pn	22 45 50.9	-1.8
MOR8			eS	Sn	22 47 03.3	-8.4
MOR8			IAML		22 47 10.2	
comp=Z,38nm,0.4s						
MOR8			eT	T	22 50 31.9	
LANU	Lannavaara	7.03 121	P	Pn	22 45 52.5	-0.6
LANU			S	Pn	22 47 16.1	-6.4
LANU	Lannavaara	7.03 121	P	Pn	22 45 52.5	-0.6
LANU			S	Pn	22 47 06.5	-6.4
ARA0	ARCESS Array S	7.06 105	Pn	Sn	22 45 56.2	-0.7
ARA0			Sn	Sn	22 47 07.9	-5.7
ARA0	ARCESS Array S	7.06 105	Pn	Pn	22 45 52.6	-0.7
ARA0			Sn	Sn	22 47 07.9	-5.7
ARA0			IAML		22 47 14.0	
comp=Z,8.8nm,0.3s						
ARA0	ARCESS Array B	7.06 105	eT	T	22 50 41.2	
ARCES			Pn	Pn	22 45 51.4	-2.0
ARCES			Sn	Sn	22 47 05.7	-7.9
comp=Z,1.6nm,0.3s,baz=316,slow=24,SNR=4.9						
ARCES	ARCESS Array B	7.06 105	P	Pn	22 45 52.2	-1.2
ARCES			S	Sn	22 47 08.3	-5.2
HEF	Hetta	7.23 115	Pn	Sn	22 45 55.5	-0.2
HEF			eS	Sn	22 47 10.1	-6.6
HEF	Hetta	7.23 115	eP	Sn	22 45 55.2	-0.5
HEF			eS	Sn	22 47 11.1	-6.6
HEF			eT	T	22 50 37.8	
KEV	Kevo	7.38 101	Pn	Pn	22 45 55.8	-2.0
KEV	Kevo	7.38 101	eP	Pn	22 45 56.2	-1.6
KEV	Kevo	7.38 101	eP	Pn	22 45 56.2	-1.6
KEV			eT	T	22 50 43.3	
KEV	Kevo	7.38 101	P	Pn	22 45 56.2	-1.6
DUNU	Dundret	7.39 129	P	Pn	22 45 57.7	-1.2
DUNU	Dundret	7.39 129	P	Pn	22 45 57.7	-1.2
DBG	Daneborg	7.64 296	Pn	Sn	22 47 13.4	-1.4
DBG			S	Sn	22 46 58.3	-4.9
DBG	Daneborg	7.64 296	eP	Sn	22 47 12.8	-1.5
DBG			IAML		22 47 16.7	
comp=Z,0.7nm,0.2s						
DBG	Daneborg	7.64 296	eP	Sn	22 45 56.5	-4.9
DBG			IAML		22 47 12.9	-1.5
DBG			IAML		22 47 16.7	
comp=Z,0.7nm,0.2s						
DAG	Danmarks Havn	7.75 315	iP	Pn	22 45 59.0	-3.8
DAG			iS	Sn	22 47 16.3	-1.4
DAG			IAML		22 47 19.3	
comp=Z,6.9nm,0.2s						
DAG	Danmarks Havn	7.75 315	iP	Pn	22 45 59.0	-3.8
DAG			iS	Sn	22 47 16.3	-1.4
DAG			IAML		22 47 19.3	
comp=Z,6.9nm,0.2s						
VADS	Vadso	7.91 96	eP	Pn	22 46 03.6	-1.4
VADS			eS	Sn	22 47 28.0	-6.4
VADS			IAML		22 47 34.9	
comp=Z,12nm,0.7s						
VADS	Vadso	7.91 96	P	Pn	22 46 04.2	-0.8
VADS			S	Pn	22 47 29.4	-5.1
PAJU	Pajala	8.09 124	P	Pn	22 46 06.3	-1.2
PAJU	Pajala	8.09 124	P	Pn	22 46 06.3	-1.2
ERTU	Ertisaerv	8.23 128	P	Pn	22 46 08.1	-1.3
ERTU	Ertisaerv	8.23 128	P	Pn	22 46 08.1	-1.3
NSS	Namsos	8.27 161	eP	Sn	22 46 08.1	-1.3
NSS			eS	Sn	22 47 32.9	-1.0
NSS			IAML		22 47 39.7	
comp=Z,32nm,0.4s						
NSS			eT	T	22 50 59.4	
PRVG	Vayda Guba	8.95 95	P	Pn	22 46 18.0	-1.2
PRVG			S	Pn	22 47 51.6	-8.2
SCO	Scoresbysund	8.99 271	P	Pn	22 46 18.7	-1.1
SCO	Scoresbysund	8.99 271	iP	Pn	22 46 19.0	-0.8
SCO	Scoresbysund	8.99 271	P	Pn	22 46 18.7	-1.1
SCO	Scoresbysund	8.99 271	P	Pn	22 46 19.0	-0.8
SCO	Scoresbysund	8.99 271	eP	Pn	22 46 21.1	-4.3
TBLU	Trondheim	9.39 167	eS	Sn	22 47 58.1	-1.3
TBLU			IAML		22 48 01.2	
comp=Z,23nm,0.4s						
MOL	Molde	9.94 175	eP	Pn	22 46 30.7	-2.2
MOL			IAML		22 48 21.6	
comp=Z,13nm,0.5s						
TERR	Teriberka	10.11 94	P	Sn	22 46 32.6	-2.5
TERR			S	Sn	22 48 18.1	-1.0
AKN	Aaknes	10.32 177	Pn	Pn	22 46 36.1	-2.0
AKN	Aaknes	10.32 177	Pn	Sn	22 46 31.6	-1.2
AKN	Aaknes	10.32 177	Pn	Sn	22 46 36.1	-2.0
AKN			Sn	Sn	22 48 21.6	-1.2
AKN			IAML		22 48 29.1	
comp=Z,13nm,0.4s						
APA0	Apacity Array	10.42 104	Pn	Pn	22 46 37.7	-1.7
APA0	Apacity Array	10.42 104	Pn	Pn	22 46 37.7	-1.7
APA0	Apacity Array	10.42 104	Pn	Pn	22 46 37.7	-1.7
APA0	Apacity Array	10.42 104	Pn	Pn	22 46 37.7	-1.7
DOMB	Dombas	10.53 171	eP	Sn	22 46 37.2	-2.2
DOMB			S	Sn	22 48 28.1	-7.9
DOMB			IAML		22 46 38.3	-2.6
DOMB			IAML		22 48 34.4	
comp=Z,12nm,0.8s						
APA	Apacity	10.56 104	P	Pn	22 46 40.1	-1.2
APA	Apacity	10.56 104	iP	Pn	22 46 45.4	+4.0
APA			pmax	pmax		
comp=Z,4.0nm,0.8s						
LVZ	Lovozero	10.73 101	Pn	Pn	22 46 40.8	-2.8
LVZ	Lovozero	10.73 101	eP	Pn	22 46 43.1	-0.5
LVZ			pmax	pmax		
comp=Z,50nm,1.9s						
FOO	Floro	10.90 182	eP	Pn	22 46 43.4	-2.5
KVDA	Kovda	10.99 108	P	Pn	22 46 46.1	-1.1
KVDA			P	Sn	22 48 43.8	-6.3
HVF	Hoyanger	11.33 179	eP	Pn	22 46 41.6	-1.7
HVF	Ylistaro	11.35 138	eP	Pn	22 46 51.6	-0.5
NC204	NORSAR Array S	11.38 168	Pn	Pn	22 46 50.9	-1.7
NC204	NORSAR Array S	11.38 168	eP	Pn	22 46 51.2	-1.5
NC303	NORSAR Array S	11.47 166	eP	Pn	22 46 52.7	-1.1
NB2	NORSAR Subarra	11.65 167	Pn	Pn	22 46 54.5	-1.8
NB2	NORSAR Subarra	11.65 167	Pn	Pn	22 46 54.5	-1.8
NOA	NORSAR Array B	11.65 167	Pn	Pn	22 46 54.2	-2.0
NOA			Sn	Sn	22 48 53.6	-1.3
NOA			LR	LR	22 51 03.2	
comp=Z,0.1nm,0.3s,baz=338,slow=12,SNR=3.6						
NOA			LR	LR	22 51 03.2	
SKAR	Skarslia	11.86 174	IAML		22 46 57.0	-2.1
SKAR			IAML		22 49 02.5	
comp=Z,5.5nm,0.5s						
NRA0	NORESS Array S	11.97 166	Pn	Pn	22 46 59.0	-1.6
NRA0	NORESS Array S	11.97 166	Pn	Pn	22 46 59.0	-1.6
ASK	Askoy	12.02 181	eP	Sn	22 46 58.3	-3.0
ASK			eS	Sn	22 49 01.1	-1.4
ASK			IAML		22 49 21.4	

ZF12	Zemlya Franca-	12.38 30	eP	Pn	22 47 06.0	-0.1
OMEGA	Omega	12.38 30	eP	Pn	22 47 06.0	-0.1
BORG	Borgarnes	12.41 245	Pn	Pn	22 47 06.7	+0.1
BORG	Borgarnes	12.41 245	Pn	Pn	22 47 05.1	-1.5
comp=Z,0.2nm,0.3s,baz=59,slow=14,SNR=1.2						
BORG			LR	LR	22 50 24.1	
comp=Z,6.4nm,21.7s,baz=348,slow=30						
KEF	Odda	12.59 135	eP	Pn	22 47 07.7	-1.4
ODD1		12.59 178	eP	Pn	22 47 05.7	-3.5
ODD1			IAML		22 49 40.4	
comp=Z,4.8nm,0.6s						
HFS	Hagfors	12.75 162	Pn	Pn	22 47 09.4	-1.8
HFS			LR	LR	22 47 09.4	-1.8
comp=Z,350,slow=12						
HFS	Hagfors	12.75 162	Pn	Pn	22 47 10.0	-1.2
comp=Z,4.7nm,0.3s,baz=354,slow=12,SNR=1.04						
HFS			Sn	Sn	22 49 21.3	-1.2
comp=Z,0.8nm,0.3s,baz=344,slow=37						
HFS			LR	LR	22 51 57.7	
comp=Z,14nm,0.4s						
HFS	Hagfors	12.75 162	P	Pn	22 47 10.0	-1.2
KONO	Kongsberg	12.94 171	Pn	Pn	22 47 11.6	-2.2
KONO	Kongsberg	12.94 171	eP	Pn	22 47 10.8	-3.0
KONO	Kongsberg	12.94 171	eP	Pn	22 47 11.1	-2.7
KONO	Kongsberg	12.94 171	eP	Pn	22 47 14.6	+0.7
RUF	Rauma	13.02 143	eP	Pn	22 47 13.1	-1.8
SAM	Summit	13.07 292	Pn	Pn	22 47 16.2	+0.3
SUM	Summit	13.07 292	P	Pn	22 47 16.2	+0.3
JOE	Joensuu	13.07 292	P	Pn	22 47 18.2	-2.9
FAI0	FINES Array S	13.50 134	Pn	Pn	22 47 19.4	-2.0
FAI0			Sn	Sn	22 47 19.4	-2.0
FAI0	FINES Array S	13.50 134	Pn	Pn	22 47 19.8	-1.6
FAI0	FINES Array S	13.50 134	Pn	Pn	22 47 20.0	-1.4
FAI0			Sn	Sn	22 49 39.5	-1.2
FAI0			LR	LR	22 52 15.3	
comp=Z,0.4nm,0.3s,baz=335,slow=26,SNR=3.2						
FINES			Sn	Sn	22 49 39.5	-1.2
comp=Z,0.8nm,0.3s,baz=332,slow=36						
FINES			LR	LR	22 47 20.0	-1.4
FINES	FINES Array B	13.50 134				

SURR	Surduc	27.85 155	P	P	22 50 01.6 +2.2
BZS	Buzias	27.92 156	P	P	22 50 02.4 +2.3
BZS	Buzias	27.92 156	P	P	22 50 02.4 +2.3
CZR	Gura Zlata	28.29 154	P	P	22 49 55.7 -7.7
CZR	Gura Zlata	28.29 154	P	P	22 49 55.7 -7.7
ARR	Arges	28.67 152	P	P	22 50 05.9 0.0
MLR	Muntele Rosu	28.64 150	LR	LR	23 01 48.9
MDVR	Moldoviya	28.75 157	P	P	22 50 02.9 -4.7
FDMO	Flordimonte	29.70 169	P	P	22 50 15.8 -0.1
PUK	Puka	31.25 159	P	P	22 50 28.6 -1.1
PUK	Puka	31.25 159	IAMB	IAMB	22 50 39.2
AKTO	Aktyubinsk	31.64 105	LR	LR	23 03 45.8
TIXI	Tiksi	31.65 30	P	P	22 50 33.9 +1.1
TIXI	Tiksi	31.65 30	IAMB	IAMB	22 50 35.7
TIXI	Tiksi	31.65 30	LR	LR	23 03 05.8
TIXI	Tiksi	31.65 30	eP	P	22 50 35.0 +2.2
TIXI	Tiksi	31.65 30	pmax	pmax	
FNA	Florina	32.66 158	P	P	22 50 42.0 0.0
FNA	Florina	32.66 158	IAMB	IAMB	22 50 44.7
FNA	Florina	32.66 158	P	P	22 50 42.0 0.0
FNA	Florina	32.66 158	pmax	pmax	
RDO	Rodhopi	32.84 152	P	P	22 50 43.3 -0.2
BRVK	Borovoje	33.02 91	eP	P	22 50 46.2 +1.2
BRVK	Borovoje	33.02 91	pmax	pmax	
BVAR	Borovoje Array	33.08 90	P	P	22 50 46.3 +0.7
BVAR	Borovoje Array	33.08 90	LR	LR	23 05 18.0
ESDC	Sonseca Array	33.20 194	P	P	22 50 46.5 -0.3
ABKAR	Akbulak array	33.26 104	P	P	22 50 47.7 +0.6
ABKAR	Akbulak array	33.26 104	IAMB	IAMB	22 50 54.5
VSLR	Vesolyoje	33.31 132	eP	P	22 50 49.6 +2.0
VSLR	Vesolyoje	33.31 132	pmax	pmax	
PAB	San Pablo	33.36 194	P	P	22 50 48.1 -0.1
PAB	San Pablo	33.36 194	IAMB	IAMB	22 50 54.6
PAB	San Pablo	33.36 194	P	P	22 50 48.1 -0.1
PAB	San Pablo	33.36 194	pmax	pmax	
KIV	Kislovodsk	33.46 128	eP	pmax	22 50 48.8 -0.3
KIV	Kislovodsk	33.46 128	pmax	pmax	
KIV	Kislovodsk	33.46 128	MLR	MLR	
KBZ	Khabaz	33.73 128	LR	LR	23 04 50.7
SCHO	Schefferville	33.93 279	P	P	22 50 51.2 -1.8
SCHO	Schefferville	33.93 279	IAMB	IAMB	22 50 52.5
SCHO	Schefferville	33.93 279	P	P	22 50 51.7 -1.3
SCHO	Schefferville	33.93 279	IAMB	IAMB	22 50 52.5
C36M	Paulatuk	34.73 331	P	P	22 50 59.3 -0.3
C36M	Paulatuk	34.73 331	IAMB	IAMB	22 51 01.0
C36M	Paulatuk	34.73 331	P	P	22 50 59.6 0.0
C36M	Paulatuk	34.73 331	IAMB	IAMB	22 51 01.0
BR131	Keskin Array S	35.57 142	eP	P	22 51 09.1 +1.7
BRTR	Keskin Array B	35.57 142	P	P	22 51 08.2 +0.8
BRTR	Keskin Array B	35.57 142	P	P	22 51 08.5 +1.1
BRTR	Keskin Array B	35.57 142	eP	P	22 51 09.3 +1.9
BRTR	Keskin Array B	35.57 142	pmax	pmax	
A22K	Sinclair Lake	36.25 349	P	P	22 51 14.2 +1.5
D28M	Stokes Point	36.58 340	P	P	22 51 16.4 +0.9
C26K	Camden Bay	36.60 344	P	P	22 51 17.0 +1.3
ZAAO	Zalesovo Array	36.62 77	P	P	22 51 16.5 +0.5
ZALV	Zalesovo Beam	36.62 77	P	P	22 51 15.5 -0.5
ZALV	Zalesovo Beam	36.62 77	P	P	22 51 16.4 +0.4
ZALV	Zalesovo Beam	36.62 77	PcP	PcP	22 53 39.1 +0.4
ZALV	Zalesovo Beam	36.62 77	LR	LR	23 10 20.7
ZALV	Zalesovo Beam	36.62 77	iP	P	22 51 17.2 +1.1
ZALV	Zalesovo Beam	36.62 77	pmax	pmax	
C27K	Jago River	36.78 343	P	P	22 51 18.1 +0.8
B22K	Teshekpuk Lake	36.81 348	P	P	22 51 18.6 +1.1
B22K	Teshekpuk Lake	36.81 348	IAMB	IAMB	22 51 20.3
B22K	Teshekpuk Lake	36.81 348	P	P	22 51 19.0 +1.5
KEST	Keora	36.83 175	P	P	22 51 17.2 -0.9
KEST	Keora	36.83 175	LR	LR	23 06 06.4
INK	Inuvik	36.96 336	P	P	22 51 18.8 0.0
INK	Inuvik	36.96 336	IAMB	IAMB	22 51 30.5
INK	Inuvik	36.96 336	LR	LR	23 08 07.9
INK	Inuvik	36.96 336	P	P	22 51 18.7 0.0
INK	Inuvik	36.96 336	pmax	pmax	
C24K	Franklin Bluff	37.10 346	P	IAMB	22 51 20.7 +0.8
C24K	Franklin Bluff	37.10 346	IAMB	IAMB	22 51 22.6
C24K	Franklin Bluff	37.10 346	P	P	22 51 21.5 +1.6
D25K	Kavik River	37.31 344	P	P	22 51 22.8 +1.0
A19K	Wainwright	37.33 353	P	P	22 51 23.4 +1.5
B20K	Meade River	37.35 350	P	P	22 51 23.1 +1.0
E28M	Babbage River	37.36 340	P	P	22 51 23.1 +0.9
E28M	Babbage River	37.36 340	P	P	22 51 23.3 +1.0
E29M	Blow River	37.39 339	P	P	22 51 23.2 +0.7
E29M	Blow River	37.39 339	P	P	22 51 23.2 +0.7
GNI	Garni	37.55 128	LR	LR	23 07 21.2
KURK	Kurchatov	37.59 85	P	P	22 51 25.0 +0.6
KURK	Kurchatov	37.59 85	P	P	22 51 25.0 +0.6
KURK	Kurchatov	37.59 85	pmax	pmax	
KURBB	Kurchatov Arra	37.65 85	P	P	22 51 25.4 +0.6
KURBB	Kurchatov Arra	37.65 85	PcP	PcP	22 52 42.0 +0.1
KURBB	Kurchatov Arra	37.65 85	LR	LR	23 08 46.9
D24K	Happy Valley	37.67 345	P	P	22 51 26.1 +1.3
F31M	Tsigheitchik	37.81 336	P	P	22 51 25.8 -0.2
F30M	Barrier River	37.90 337	P	P	22 51 27.0 +0.2
E27K	Coleen River	37.98 341	P	P	22 51 28.2 +0.7
E27K	Coleen River	37.98 341	P	P	22 51 28.4 +1.0
D23K	Nanushuk River	37.99 346	P	P	22 51 28.9 +1.4
D23K	Nanushuk River	37.99 346	P	P	22 51 28.9 +1.4
C21K	Knifblade Rid	38.06 349	P	P	22 51 29.6 +1.4
B18K	Kokolik River	38.20 353	P	P	22 51 30.3 +1.1
D22K	Aiyikyak River	38.21 348	P	P	22 51 31.2 +1.8

TOLK	Toolik Lake Re	38.23 346	P	P	22 51 30.0 +0.4
TOLK	Toolik Lake Re	38.23 346	P	P	22 51 30.3 +0.8
F28M	Old Crow	38.35 340	P	P	22 51 30.8 +0.2
F28M	Old Crow	38.35 340	P	P	22 51 31.1 +0.5
G31M	Satah River	38.37 336	P	IAMB	22 51 30.9 +0.2
G31M	Satah River	38.37 336	IAMB	IAMB	22 51 41.9
G31M	Satah River	38.37 336	P	P	22 51 30.7 0.0
E25K	Arctic Village	38.41 343	P	P	22 51 31.8 +0.6
IDI	Anoyia	38.51 154	LR	LR	23 08 33.0
D20K	Etiuvik River	38.61 350	P	P	22 51 33.9 +1.1
F26K	Sheenjek River	38.70 342	P	P	22 51 34.4 +0.8
E24K	Your Creek	38.70 345	P	P	22 51 34.1 +0.5
E24K	Your Creek	38.70 345	P	P	22 51 34.7 +1.2
E23K	Chandalar	38.80 346	P	P	22 51 35.8 +1.3
G29M	Pine Creek	38.83 338	P	P	22 51 34.9 +0.3
C18K	Utukok River	38.89 352	P	IAMB	22 51 36.0 +0.9
C18K	Utukok River	38.89 352	IAMB	IAMB	22 51 39.5
C18K	Utukok River	38.89 352	P	P	22 51 36.7 +1.5
F25K	Christina River	38.93 343	P	P	22 51 36.7 +1.2
BMAR	Burnt Mountain	39.00 342	P	P	22 51 37.2 +1.1
E20K	Nigu River	39.04 349	P	P	22 51 37.1 +0.7
C17K	Delort Mountai	39.13 354	P	P	22 51 38.4 +1.3
BILL	Bilibino	39.17 11	P	IAMB	22 51 37.8 +0.4
BILL	Bilibino	39.17 11	IAMB	IAMB	22 51 39.6
BILL	Bilibino	39.17 11	eP	P	22 51 38.4 +1.0
BILL	Bilibino	39.17 11	pmax	pmax	
EPYK	Eagle Plains	39.20 337	P	P	22 51 38.0 +0.2
F24K	Squaw Lake	39.20 344	P	P	22 51 38.8 +1.1
G27K	Doyon Strip	39.32 340	P	P	22 51 39.3 +0.6
G26K	Porcupine Rive	39.39 342	P	P	22 51 40.4 +1.1
C16K	Lisburne Hills	39.40 355	P	IAMB	22 51 40.5 +1.2
C16K	Lisburne Hills	39.40 355	IAMB	IAMB	22 51 41.9
C16K	Lisburne Hills	39.40 355	P	P	22 51 40.8 +1.5
YKA	Yellowknife Ar	39.40 321	P	PcP	22 51 38.9 -0.6
YKA	Yellowknife Ar	39.40 321	PcP	PcP	22 53 46.1 -1.0
YKA	Yellowknife Ar	39.40 321	LR	LR	23 07 15.9
YKA	Yellowknife Ar	39.40 321	iP	P	22 51 39.2 -0.2
YKA	Yellowknife Ar	39.40 321	pmax	pmax	
H31M	Peel River	39.45 335	P	P	22 51 39.8 0.0
H29M	Whitestone	39.53 338	P	P	22 51 40.9 +0.4
RDOC	Red Dog Mine	39.55 353	P	P	22 51 41.5 +0.8
RDOC	Red Dog Mine	39.55 353	P	P	22 51 41.4 +0.8
COLD	Coldfoot	39.67 346	P	P	22 51 42.6 +1.0
H27K	Steamboat Moun	39.87 340	P	P	22 51 44.9 +1.6
E19K	Redstone River	39.89 350	P	P	22 51 44.2 +0.8
F21K	Alatina River	39.90 348	P	P	22 51 44.6 +1.1
F21K	Alatina River	39.90 348	P	P	22 51 44.3 +0.7
D17K	Noatak River	39.91 353	P	P	22 51 44.7 +1.2
G24K	Hadweenzic Riv	39.97 344	P	P	22 51 44.6 +0.5
G22K	Bettles	40.06 346	P	P	22 51 45.3 +0.4
E18K	Tukphalearik C	40.09 352	P	P	22 51 45.9 +0.8
CSS	Mathiasis	40.14 144	P	P	22 51 45.4 -0.4
F20K	Avarart Lake	40.21 349	P	P	22 51 46.9 +0.8
I30M	Mount Dempster	40.26 336	P	P	22 51 46.8 +0.1
WRGLY	Wrigley	40.30 327	P	IAMB	22 51 47.4 +0.5
WRGLY	Wrigley	40.30 327	IAMB	IAMB	22 51 48.3
WRGLY	Wrigley	40.30 327	P	P	22 51 47.3 +0.5
WRGLY	Wrigley	40.30 327	P	P	22 51 47.2 -0.1
I28M	Miner Creek	40.45 339	P	P	22 51 48.3 0.0
E17K	Hotham Inlet	40.48 353	P	P	22 51 49.4 +1.1
I27K	Kandik River	40.48 340	P	P	22 51 49.9 +1.4
YAK	Yakuts	40.54 37	LR	LR	23 09 05.3
YAK	Yakuts	40.54 37	LR	LR	22 51 48.1 -0.4
YAK	Yakuts	40.54 37	pmax	pmax	
F19K	Shalercuk Mo	40.54 350	P	P	22 51 48.9 +0.1
G21K	Allakaket	40.60 347	P	P	22 51 49.4 +0.1
H24K	Noodor Dome	40.85 344	P	P	22 51 52.2 +0.8
F18K	Selawik	40.87 351	P	P	22 51 52.6 +1.2
J30M	Hart River	40.88 336	P	P	22 51 52.4 +0.6
I26K	Coal Creek Min	40.93 341	P	P	22 51 53.5 +1.4
PRP	Porcupine Dome	40.95 342	P	IAMB	22 51 53.0 +0.6
PRP	Porcupine Dome	40.95 342	IAMB	IAMB	22 51 55.3
PRP	Porcupine Dome	40.95 342	P	P	22 51 54.1 +1.7
H22K	Ishlaltina Cre	41.07 346	P	P	22 51 55.2 +2.0
F17K	Baldwin Pennin	41.09 352	P	P	22 51 54.4 +1.0
G19K	Purcell Mounta	41.19 350	P	P	22 51 55.3 +1.1
J29M	Klonidke Camp	41.22 337	P	P	22 51 55.6 +1.1
EGAK	Eagle	41.24 339	P	P	22 51 55.2 +0.6
LMQ	La Malbaie	41.38 276	P	IAMB	22 51 55.2 -0.8
LMQ	La Malbaie	41.38 276	IAMB	IAMB	22 51 56.7
H21K	Melozitina Riv	41.41 347	P	P	22 51 57.8 +1.8
POKR	Poker Plat Res	41.52 343	P	P	22 51 58.5 +1.6
G18K	Tagagayuk	41.52 350	P	P	22 51 58.1 +1.1
I23K	Minto, Yukon-K	41.65 344	P	P	22 51 59.2 +1.3
H20K	Anotleneega Mo	41.71 348	P	P	22 51 59.4 +0.9
K29M	Barlow Dome	41.73 337	P	P	22 52 00.1 +1.3
J26L	Joseph Creek	41.76 341	P	P	22 51 59.5 +0.6
COLA	College	41.79 343	eP	pmax	22 52 00.2 +1.1
COLA	College	41.79 343	pmax	pmax	
IL31	Eielson Array	41.81 343	P	P	22 51 59.9 +0.7
ILAR	Eielson Array	41.81 343	P	P	22 52 00.3 +1.2
ILAR	Eielson Array	41.81 343	PcP	PcP	22 53 54.5 -0.4

J25K	Salcha River	41.82 342	P	P	22 52 00.3 +0.8
J25K	Salcha River	41.82 342	P	P	22 52 00.7 +1.2
F15K	North Star Dit	41.95 354	P	P	22 52 01.6 +1.2
KKAR	Karatay Array				

16d 23h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PINN, Q32M, K13K, etc.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like HLID, P8MB, I07A, etc.

940

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BOSA, GUR, SERS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ODEM, DGB, APE, etc.

IDC 16 23:13:59.6:0.9,28.79Sx12:75W,h0km,mb4.1/8, mtdmp4.1/8,MS3.7/27,Error ellipse: s-maj=34.6km s-min=19.1km az=106.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like H09N1, H09W1, H10S2, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like DBIC, CPUP, VNA1, etc.

IDC 16 23:20:02.2:1.2,26.37N:93.35E,h0km,mb3.7/8, mtdmp3.7/8,Error ellipse: s-maj=63.4km s-min=24.4km az=56.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like IDC, TAPN, ODAN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MWLHS, WJHS, HHRG, etc.

IDC 16 23:56:05.5:1.0,26.90N:88.74E,h0km,mb3.7/10, mtdmp3.7/10,MS3.6/2,Error ellipse: s-maj=35.5km s-min=20.4km az=62.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like TAPN, ODAN, RAMN, etc.

KONS		iS	Sb	01 07 39.4 +0.3	
KONS		IAML		01 07 40.0	
STOK	Stokkvaagen	0.72 197	Pg	01 07 34.6 +0.2	
STOK		Lg		01 07 34.5 +0.2	
STOK	Stokkvaagen	0.72 197	Pb	01 07 44.2 +1.0	
STOK		eS		01 07 44.7	
STOK		IAML			
STOK	Stokkvaagen	0.72 197	iP	01 07 34.5 +0.2	
STOK		iS		01 07 44.2 +1.0	
STOK		IAML		01 07 44.7	
FAUS	Fauske	0.77 61	iP	01 07 37.1 +1.8	
FAUS		eS		01 07 39.1 +1.0	
FAUS		IAML		01 07 52.8	
FAUS	Fauske	0.77 61	iP	01 07 37.1 +1.8	
FAUS		iS		01 07 49.1 +1.0	
FAUS		IAML		01 07 52.8	
MOR8	Moi Rana	0.93 157	Pg	01 07 38.0 +0.1	
MOR8		Lg		01 07 51.1	
MOR8	Moi Rana	0.93 157	iP	01 07 37.9 +0.1	
MOR8		eS		01 07 50.8 -1.0	
MOR8		IAML		01 07 51.2	
MOR8	Moi Rana	0.93 157	iP	01 07 37.9 +0.1	
MOR8		eS		01 07 50.8 -1.0	
MOR8		IAML		01 07 51.2	
LEIR	Leirfjorden	0.93 191	iP	01 07 37.9 +0.1	
LEIR		eS		01 07 49.9 -0.2	
LEIR		IAML		01 07 53.4	
LOF	Lofoten	1.12 0	Pg	01 07 39.9 -1.4	
LOF		Lg		01 07 53.2	
LOF	Lofoten	1.12 0	iP	01 07 39.9 -1.4	
LOF		eS		01 07 53.1 -2.5	
LOF		IAML		01 07 58.5	
LOF	Lofoten	1.12 0	iP	01 07 39.9 -1.4	
LOF		eS		01 07 53.1 -2.5	
LOF		IAML		01 07 58.5	
STEI	Steigen	1.13 35	Pg	01 07 42.1 +0.6	
STEI		Lg		01 07 58.9	
STEI	Steigen	1.13 35	eP	01 07 41.9 +0.5	
STEI		eS		01 07 59.0 +2.2	
STEI		IAML		01 08 03.5	
STEI	Steigen	1.13 35	eP	01 07 41.7 +0.3	
STEI		eS		01 07 54.3 -1.5	
RATU	Laukkuluspa	2.47 68	P	01 08 02.3 +2.4	
RATU		S		01 08 33.4 -1.2	
RATU	Laukkuluspa	2.47 68	eP	01 08 02.3 +2.4	
RATU		eS		01 08 33.4 -1.2	
RATU		IAML		01 08 02.8 +1.4	
NSS	Namsos	2.58 195	e	01 08 37.2	
NSS		IAML		01 08 44.5	
NSS	Namsos	2.58 195	eP	01 08 04.0 +2.6	
NSS		eS		01 08 34.5 +1.9	
DUNU	Dundret	2.76 85	P	01 08 05.9 +2.0	
DUNU		S		01 08 40.4 -2.3	
DUNU	Dundret	2.76 85	eP	01 08 05.9 +2.0	
DUNU		eS		01 08 40.4 -2.3	
DUNU		IAML		01 08 06.2 +2.2	
KUA	Kurraavaara	2.78 67	P	01 08 40.7 +3.1	
KUA		S		01 08 06.4 +2.2	
KUA	Kurraavaara	2.78 67	eP	01 08 40.7 +3.1	
KUA		eS		01 08 07.5 +2.9	
KOVU	Salmi	2.81 61	P	01 08 07.5 +2.9	
KOVU		S		01 08 10.1 +1.7	
HARU	Harads	3.09 103	P	01 08 10.1 +1.7	
HARU		eP		01 08 10.4 +1.9	
LILU	Lilltraesk	3.10 121	P	01 08 10.4 +1.9	
LILU		eP		01 08 12.4 +1.2	
TRO	Tromsø	3.30 35	eP	01 08 10.4 +1.9	
TRO		eS		01 09 11.6	
TRO	Tromsø	3.30 35	eP	01 08 13.6 +2.3	
TRO		eS		01 08 52.6 +2.2	
MASU	Masugnsbyn	3.32 78	P	01 08 13.7 +2.1	
MASU		eP		01 08 13.7 +2.1	
KIF	Kilpisjärvi	3.38 51	Pn	01 08 15.1 +2.7	
KIF		S		01 08 55.3 +3.0	
KIF	Kilpisjärvi	3.38 51	eP	01 08 14.9 +2.5	
KIF		eS		01 08 54.3 +2.0	
KIF		MSG		01 08 56.5	
KIF	Kilpisjärvi	3.38 51	eP	01 08 14.9 +2.5	
KIF		eS		01 08 54.3 +2.0	
KIF		MSG		01 08 56.5	
LANU	Lannavaara	3.41 68	eP	01 08 15.3 +2.5	
LANU		eS		01 08 54.7 +1.6	
LANU		MSG		01 08 57.1	
LANU	Lannavaara	3.41 68	P	01 08 15.2 +2.5	
LANU		eP		01 08 15.3 +2.5	
LANU		eS		01 08 54.7 +1.6	
LANU		MSG		01 08 57.1	
ERTU	Ertsjærvi	3.46 94	P	01 08 15.3 +1.9	
ERTU		eP		01 08 15.3 +1.9	
JETT	Jettan, Norway	3.61 42	Pn	01 08 17.9 +2.3	
JETT		S		01 09 00.8 +2.9	
JETT	Jettan, Norway	3.61 42	Pn	01 08 17.9 +2.3	
JETT		S		01 09 00.8 +2.9	
JETT		IAML		01 09 35.5	
JETT	Jettan, Norway	3.61 42	eP	01 08 17.9 +2.3	
JETT		eS		01 09 00.8 +2.9	
JETT		IAML		01 09 35.5	
PAJU	Pajala	3.76 86	eP	01 08 19.5 +1.9	
PAJU		eS		01 09 03.1 +1.4	
PAJU		MSG		01 09 04.6	
PAJU	Pajala	3.76 86	P	01 08 19.3 +1.7	
PAJU		eP		01 08 19.5 +1.9	
PAJU		eS		01 09 03.1 +1.4	
PAJU		MSG		01 09 04.6	
BURU	Burvik	4.05 123	eP	01 08 23.7 +2.2	
BURU		eS		01 09 09.8 +1.0	
BURU		MSG		01 09 11.0	
BURU	Burvik	4.05 123	eP	01 08 23.7 +2.2	
BURU		eS		01 09 09.8 +1.0	
BURU		MSG		01 09 11.0	
KLF	Kolari	4.08 82	eP	01 08 24.1 +2.2	
KLF		eS		01 09 10.8 +1.3	
KLF		MSG		01 09 13.2	
KLF	Kolari	4.08 82	eP	01 08 24.1 +2.2	
KLF		eS		01 09 10.8 +1.3	
KLF		MSG		01 09 13.2	
HEF	Hetta	4.10 65	eP	01 08 24.6 +2.3	
HEF		eS		01 09 11.1 +1.0	
HEF	Hetta	4.10 65	eP	01 08 24.6 +2.3	
HEF		eS		01 09 11.1 +1.0	
KTK1	Kautokeino	4.16 57	eP	01 08 25.2 +2.3	
KTK1		eS		01 09 11.7 +0.1	
KTK1		IAML		01 09 35.6	
KTK1	Kautokeino	4.16 57	eP	01 08 25.2 +2.2	
KTK1		eS		01 09 12.6 +1.0	
UMAU	Umeaa	4.33 133	eP	01 08 27.4 +2.0	
UMAU		eS		01 09 16.6 +0.9	
UMAU	Umeaa	4.33 133	eP	01 08 27.4 +2.0	
UMAU		eS		01 09 16.6 +0.9	
UMAU		MSG		01 08 28.5 +1.9	
UMAU		MSG		01 08 28.5 +1.2	
UMAU	Tornio	4.41 97	eP	01 08 28.5 +1.9	
UMAU		eS		01 09 18.9 +1.2	
UMAU		MSG		01 09 21.8	
UMAU	Tornio	4.41 97	eP	01 08 28.5 +1.9	
UMAU		eS		01 09 18.9 +1.2	
UMAU		MSG		01 09 21.8	

RNF	Rovaniemi	4.95 89	eP	01 08 35.7 +1.8	
RNF		eS		01 09 31.4 +0.5	
RNF		MSG		01 09 32.4	
RNF	Rovaniemi	4.95 89	eP	01 08 35.7 +1.8	
RNF		eS		01 09 31.4 +0.5	
RNF		MSG		01 09 32.4	
OBFO	Syolatti, Pyha	5.08 115	eP	01 08 37.1 +1.4	
OBFO		eS		01 09 33.4 -0.9	
OBFO	Syolatti, Pyha	5.08 115	eP	01 08 37.1 +1.4	
OBFO		eS		01 09 33.4 -0.9	
ARA0	ARCESS Array S	5.11 55	Pn	01 08 36.8 +0.6	
ARA0		S		01 09 34.4 -0.6	
ARA0	baz=237,slow=28		Lg	01 10 00.6	
ARA0	baz=237,slow=28		S	01 09 34.4 -0.6	
ARA0	baz=237,slow=28		Sg	01 10 00.6 -3.2	
ARA0	baz=237,slow=28		IAML	01 10 00.6	
ARA0	ARCESS Array S	5.11 55	eP	01 08 37.6 +1.4	
ARA0		eS		01 09 33.4 -0.3	
ARCES	ARCESS Array B	5.11 55	Pn	01 08 37.1 +1.0	
ARCES		S		01 09 34.1 -0.9	
ARCES	comp=Z,0.7nm,0.3s,baz=242,slow=15,SNR=8.6			01 10 00.8	
ARCES	comp=Z,0.9nm,0.3s,baz=242,slow=31,SNR=7.1				
HAMF	Hammerfest	5.17 41	eP	01 08 38.7 +1.7	
HAMF		eS		01 10 34.7	
HAMF	Hammerfest	5.17 41	eP	01 08 38.7 +1.7	
HAMF		eS		01 10 34.7	
OBF4	Vikela, Lumij	5.23 110	eP	01 08 39.0 +1.3	
OBF4		eS		01 09 37.1 -0.7	
OBF4	Vikela, Lumij	5.23 110	eP	01 08 39.0 +1.3	
OBF4		eS		01 09 37.1 -0.7	
OUF	Merijarvi	5.33 115	eP	01 08 40.5 +1.3	
OUF		eS		01 09 39.4 -1.0	
OUL	Oulu	5.39 105	eP	01 08 41.4 +1.4	
OUL		eS		01 09 41.2 +1.1	
OUL	Oulu	5.39 105	eP	01 08 41.4 +1.4	
OUL		eS		01 09 41.2 +1.1	
RANF	Ranua	5.39 95	eP	01 08 41.2 +1.1	
RANF		eS		01 09 41.1 -0.9	
RANF	Ranua	5.39 95	eP	01 08 41.2 +1.1	
RANF		eS		01 09 41.1 -0.9	
VAF	Ylistaro	5.56 132	eP	01 08 44.8 +2.5	
VAF		eS		01 09 45.7 -0.2	
VAF	Ylistaro	5.56 132	eP	01 08 44.8 +2.5	
VAF		eS		01 09 45.7 -0.2	
AKN	Aaknes	5.61 213	Pn	01 08 43.0 -0.1	
AKN		eS		01 10 05.0	
AKN	Aaknes	5.61 213	Pn	01 08 43.0 -0.1	
AKN		eS		01 10 05.0	
KEV	Kevo	5.68 55	eP	01 08 45.6 +1.7	
KEV		eS		01 09 48.3 -0.6	
KEV	Kevo	5.68 55	eP	01 08 45.6 +1.7	
KEV		eS		01 09 48.3 -0.6	
NB2	NORSAR Subarra	6.09 191	Pn	01 08 51.0 +1.3	
NB2		eP		01 08 51.0 +1.3	
NB2	NORSAR Subarra	6.09 191	Pn	01 08 51.0 +1.3	
NB2		eP		01 08 50.3 +0.7	
NOA	NORSAR Array B	6.09 191	Pn	01 08 50.3 +0.7	
NOA		S		01 09 59.1 0.0	
NOA	baz=7.4,slow=13,SNR=1.1				
NOA	comp=Z,0.5nm,0.8s				
VRF	Vario	6.24 76	eP	01 08 52.9 +1.2	
VRF		eS		01 10 01.2 -1.0	
VRF	Vario	6.24 76	eP	01 08 52.9 +1.2	
VRF		eS		01 10 01.2 -1.0	
VRF	Maaselka	6.31 93	eP	01 08 53.8 +1.3	
VRF		eS		01 10 02.5 -1.9	
VRF	Maaselka	6.31 93	eP	01 08 53.8 +1.3	
VRF		eS		01 10 02.5 -1.9	
NRA0	NORESS Array S	6.37 189	Pn	01 08 54.6 +1.2	
NRA0		S		01 10 06.3 +0.3	
NRA0	baz=20,slow=22		Lg	01 10 36.3	
NRA0	baz=12,slow=37		Pn	01 08 54.6 +1.2	
NRA0	baz=3.8,slow=14		S	01 10 06.3 +0.3	
NRA0	baz=20,slow=22		Sg	01 10 36.3 -7.8	
NRA0	baz=12,slow=37		S	01 08 54.6 +1.2	
NRA0	NORESS Array S	6.37 189	eP	01 08 54.6 +1.2	
NRA0		eS		01 10 06.3 +0.3	
NRA0	Kankaanpaa	6.38 141	eP	01 08 55.8 +2.3	
NRA0		eS		01 10 05.9 -0.2	
KPF	Kankaanpaa	6.38 141	eP	01 08 55.8 +2.3	
KPF		eS		01 10 05.9 -0.2	
HFS	Hagfors	6.91 179	Pn	01 09 02.2 +1.3	
HFS		S		01 10 18.4 -0.9	
HFS	baz=7.0,slow=28		Pn	01 09 02.2 +1.3	
HFS	Hagfors	6.91 179	Pn	01 09 02.2 +1.3	
HFS		S		01 10 18.4 -0.9	
HFS	baz=8.9,slow=11		S	01 10 18.4 -0.9	
HFS	baz=7.0,slow=28		Pn	01 09 02.2 +1.3	
HFS	Hagfors	6.91 179	Pn	01 09 02.2 +1.3	
HFS		S		01 10 18.4 -0.9	
HFS	baz=8.9,slow=11		S	01 10 18.4 -0.9	
HFS	baz=7.0,slow=28		Pn		

Table with columns for station name, frequency, power, and other technical details. Includes stations like MEEK, MEEK, MEEK, ABTO, DRS, AJN, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NWAOW Narrogin (SRO), NWAOW, NWAOW Narrogin (SRO), SAKS, WRKA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KLR, KLR, KLR, QIS, QIS, QIS, AKTO, AKTO, AKTO, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SHVA1, KIV, CTA, and various Charters Tower stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BRTR, BR105, VORR, and various international stations like AULRC and ANTO.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MILM, KIS, CFR, and various international stations like LEHL and PANC.

17d 2h

Table with columns: Station, Frequency, Mode, Power, SNR, and other technical details. Includes stations like MMB, PUL, TGM, TNR, MDB, etc.

2019 JAN

Table with columns: Station, Frequency, Mode, Power, SNR, and other technical details. Includes stations like SRO, SRO, SRO, etc.

950

Table with columns: Station, Frequency, Mode, Power, SNR, and other technical details. Includes stations like GEC2, GEC2, GEC2, etc.

CLZ	comp-Z,175nm,1.1s	80.57 321	eP	P	03 05 08.1 +0.7
VLC	comp-Z,244nm,1.2s,baz=91,slow=5.3	80.61 313	eP	P	03 05 07.3 -0.6
BSEG	Bad Seieberg	80.62 323	eP	P	03 05 08.6 +1.1
BSEG	comp-Z,316nm,1.0s,baz=91,slow=5.3		eP	P	
PRMA	PARMA	80.66 314	IAMB	IAMB	03 05 29.4 -5.0
FOURN	Oftensas-Fuorn	80.66 316	IAMB	IAMB	03 05 10.3
OVD	Osterraa, Den	80.72 327	iP	P	03 05 08.6 +0.5
OVD	comp-Z,189nm,0.8s		IAMB	IAMB	
NRDL	Niedersach Rie	80.73 322	eP	P	03 05 09.4 +1.3
NRDL	comp-Z,247nm,1.1s,baz=91,slow=5.3				
UBR	Ueberruh	80.76 317	eP	P	03 05 34.9 -0.2
UBR	comp-Z,74nm,0.8s,baz=91,slow=5.3				
GTG	Gottingen	80.82 321	eP	P	03 05 08.8 +0.2
GTG	comp-Z,228nm,1.2s,baz=91,slow=5.3				
TBLU	Troendheim	80.85 333	iP	P	03 05 09.5 +0.8
TBLU	comp-Z,73nm,1.1s		IAMB	IAMB	
DAVA	Damuels	80.92 317	iP	P	03 05 10.0 +0.5
DAVA	comp-Z,240nm,1.5s,SNR=38				
SSRD	Sdr. Stenderup	81.03 325	iP	P	03 05 10.3 +0.6
SSRD	comp-Z,179nm,0.8s		IAMB	IAMB	
KONO	Kongsberg	81.08 329	eP	P	03 05 10.6 +0.7
KONO	Kongsberg	81.08 329	eP	P	03 05 10.0 +0.1
KONO	Kongsberg	81.08 329	eP	P	03 05 10.5 +0.6
KONO	comp-Z,258nm,1.3s		pmax	pmax	
WIN	Windhoek	81.10 246	P	P	03 05 13.2 +2.2
WIN	comp-Z,94nm,0.8s		IAMB	IAMB	
WIN	Windhoek	81.10 246	P	pmax	03 05 13.2 +2.2
WIN	comp-Z,94nm,0.8s		IAMB	IAMB	
MSSA	Maissana	81.24 314	IAMB	IAMB	03 05 12.0
MSSA	comp-Z,152nm,1.2s				
GOET	G?7trup	81.26 327	iP	P	03 05 11.7 +0.9
GOET	comp-Z,131nm,0.9s		IAMB	IAMB	
MUD	Monsted U'grnd	81.28 326	iP	P	03 05 11.1 +0.1
MUD	comp-Z,150nm,0.8s		IAMB	IAMB	
TUE	Stuetta	81.30 316	IAMB	IAMB	03 05 16.2
TUE	comp-Z,91nm,0.8s		IAMB	IAMB	
STU	Stuttgart	81.35 318	eP	P	03 05 12.5 +0.9
STU	Stuttgart	81.35 318	eP	P	03 05 11.9 +0.3
STU	comp-Z,128nm,0.8s,baz=91,slow=5.3				
DOMB	Dombas	81.38 332	iP	P	03 05 11.8 +0.3
DOMB	comp-Z,128nm,0.8s		IAMB	IAMB	
KBS	Kingsbay	81.42 349	P	IAMB	03 05 11.4 +0.1
KBS	comp-Z,214nm,1.1s		IAMB	IAMB	
KBS	Kingsbay	81.42 349	iP	P	03 05 11.3 0.0
KBS	comp-Z,146nm,0.9s		IAMB	IAMB	
KBS	Kingsbay	81.42 349	iP	pmax	03 05 11.1 -0.3
KBS	comp-Z,182nm,1.0s		IAMB	IAMB	
KBS	Kingsbay	81.42 349	iP	P	03 05 09.4 -1.9
KBS	Villasalto	81.51 309	IAMB	IAMB	03 05 14.0
KBS	comp-Z,96nm,1.0s		IAMB	IAMB	
MCQ	Macquarie Isla	81.54 348	IAMB	IAMB	03 05 14.9
MCQ	comp-Z,124nm,1.0s		IAMB	IAMB	
HOMB	Homborsund	81.64 328	iP	P	03 05 11.9 -0.9
HOMB	comp-Z,101nm,1.1s		IAMB	IAMB	
HOMB	Homborsund	81.64 328	iP	P	03 05 12.4 -0.5
HOMB	comp-Z,207nm,1.5s		IAMB	IAMB	
KEST	Kesra	81.72 305	P	P	03 05 16.2
KEST	comp-Z,59nm,0.9s,baz=47,slow=0.8,SNR=67				
KEST	Kesra	81.72 305	P	P	03 05 15.1 +1.1
KEST	comp-Z,59nm,0.9s		IAMB	IAMB	
SKAR	Skarslia	81.73 330	eP	P	03 05 14.3 +0.9
SKAR	comp-Z,188nm,1.2s		IAMB	IAMB	
KASTN	Kahler Asten	81.80 321	eP	P	03 05 14.6 +0.7
KASTN	comp-Z,84nm,1.0s,baz=91,slow=5.3				
TNS	Taurus Mts	81.80 320	eP	P	03 05 14.8 +0.7
TNS	comp-Z,117nm,1.2s,baz=91,slow=5.3				
BFO	Black Forest	81.94 318	P	IAMB	03 05 14.9 +0.2
BFO	comp-Z,89nm,0.9s		IAMB	IAMB	
BFO	Black Forest	81.94 318	P	pmax	03 05 14.9 +0.2
BFO	comp-Z,89nm,0.9s		IAMB	IAMB	
BFO	Black Forest	81.94 318	eP	P	03 05 14.8 +0.2
BFO	comp-Z,90nm,0.9s,baz=91,slow=5.3				
MOL	Molde	82.09 332	iP	P	03 05 16.3 +1.1
MOL	comp-Z,167nm,0.7s		IAMB	IAMB	
IBBN	Ibbenburen	82.18 322	eP	P	03 05 16.8 +1.0
IBBN	comp-Z,304nm,1.0s,baz=91,slow=5.3				
SNART	Snartero	82.32 328	iP	P	03 05 17.1 +0.6
SNART	comp-Z,117nm,1.2s,baz=91,slow=5.3				
SNART	Snartero	82.32 328	iP	P	03 05 16.7 +0.2
SNART	comp-Z,117nm,1.2s,baz=91,slow=5.3				
AKN	Aaknes	82.35 332	iP	P	03 05 17.5 +1.0
AKN	comp-Z,117nm,1.2s,baz=91,slow=5.3				
BUG	Bochum-Univer	82.51 321	eP	P	03 05 18.3 +0.8
BUG	comp-Z,208nm,1.0s,baz=91,slow=5.3				
ODD1	Odia	82.58 329	iP	P	03 05 18.6 +0.7
ODD1	comp-Z,208nm,1.0s,baz=91,slow=5.3				
BL5S	Blasjo	82.68 329	iP	P	03 05 19.4 +1.1
BL5S	comp-Z,123nm,0.7s,baz=97,slow=5.5,SNR=271				
HYA	Hoyanger	82.76 331	iP	P	03 05 19.5 +0.9
HYA	comp-Z,123nm,0.7s		IAMB	IAMB	
BNI	Bardonechia	83.23 315	IAMB	IAMB	03 05 25.9
BNI	comp-Z,233nm,1.1s		IAMB	IAMB	
BTNL	Ternell	83.27 320	eP	P	03 05 23.2 +0.7
BTNL	comp-Z,117nm,1.1s		IAMB	IAMB	
ASK	Askoy	83.27 330	eP	P	03 05 22.1 +0.8
ASK	comp-Z,63nm,0.9s		IAMB	IAMB	
FOO	Floro	83.29 331	iP	P	03 05 22.1 +0.7
FOO	comp-Z,60nm,0.7s		IAMB	IAMB	
WLF	Walfardange	83.31 319	IAMB	IAMB	03 05 24.0
WLF	comp-Z,133nm,1.1s		IAMB	IAMB	
WLF	Walfardange	83.31 319	P	P	03 05 21.3 -0.4
WLF	comp-Z,58nm,1.1s		IAMB	IAMB	
WLF	Walfardange	83.31 319	eP	P	03 05 23.0 +1.2
WLF	comp-Z,168nm,1.2s,baz=91,slow=5.3				
KMY	Karmoy	83.31 329	iP	P	03 05 22.4 +0.9
KMY	comp-Z,168nm,1.2s,baz=91,slow=5.3				
MEM	Membach	83.34 320	eP	P	03 05 22.0 +0.1
MEM	comp-Z,69nm,1.0s		IAMB	IAMB	
BHOH	Houvez	83.36 320	eP	P	03 05 22.7 +0.7
BHOH	comp-Z,99nm,1.1s		IAMB	IAMB	
SUE	Sulen	83.46 331	iP	P	03 05 23.2 +1.0
SUE	comp-Z,168nm,1.2s,baz=91,slow=5.3				
BEBN	Eben Emael	83.55 320	eP	P	03 05 23.6 +0.7
BEBN	comp-Z,48nm,1.0s		IAMB	IAMB	
BSTL	Sart Tilman	83.63 320	eP	P	03 05 24.0 +0.6
BSTL	comp-Z,11nm,1.1s		IAMB	IAMB	
BCLA	Clavier	83.81 320	eP	P	03 05 24.2 -0.1
BCLA	comp-Z,32nm,0.0s		IAMB	IAMB	
RCHB	Rochefort	83.87 320	eP	P	03 05 24.9 +0.2
RCHB	comp-Z,25nm,1.1s		IAMB	IAMB	
BGES	Gesves	83.95 320	eP	P	03 05 25.2 +0.2
BGES	comp-Z,42nm,0.9s		IAMB	IAMB	
JCZ	Jackson Bay	84.03 136	P	P	03 05 26.4 +0.8
JCZ	comp-Z,39nm,1.1s		IAMB	IAMB	
BMRD	Maredsous	84.16 320	eP	P	03 05 26.4 +0.3
BMRD	comp-Z,39nm,1.1s		IAMB	IAMB	
DOU	Dourbes	84.28 320	eP	P	03 05 27.2 +0.5
DOU	comp-Z,42nm,1.1s		IAMB	IAMB	
USS	Uccle	84.38 320	eP	P	03 05 27.5 +0.3
USS	comp-Z,25nm,1.0s		IAMB	IAMB	
SAB	Saint Sauveur	84.72 315	IAMB	IAMB	03 05 30.7
SAB	comp-Z,103nm,0.9s		IAMB	IAMB	
SYZ	Scrubby Hill	84.95 138	P	P	03 05 30.2 +0.2
SYZ	comp-Z,277,SNR=28				
GAMB	Gambell	85.27 26	P	P	03 05 32.0 +0.7
GAMB	comp-Z,132nm,0.8s		IAMB	IAMB	
MAHO	Mahon	85.42 309	IAMB	IAMB	03 05 34.8
MAHO	comp-Z,132nm,0.8s		IAMB	IAMB	
MAHO	Mahon	85.42 309	P	P	03 05 33.0 +0.4
MAHO	comp-Z,132nm,0.8s		IAMB	IAMB	
RPZ	Rata Peaks	85.52 135	IAMB	IAMB	03 05 34.4
RPZ	comp-Z,25nm,0.9s		IAMB	IAMB	
INZ	Inchbionne	85.55 134	IAMB	IAMB	03 05 33.4
INZ	comp-Z,56nm,1.0s		IAMB	IAMB	
DSZ	Denniston Nor	85.58 133	IAMB	IAMB	03 05 34.9
DSZ	comp-Z,157nm,1.1s		IAMB	IAMB	
NOR	Nord	85.84 352	iP	P	03 05 32.6 -1.4
NOR	comp-Z,157nm,1.1s		IAMB	IAMB	
QRZ	Quartz Range	85.89 132	IAMB	IAMB	03 05 36.4
QRZ	comp-Z,169nm,0.8s		IAMB	IAMB	
QRZ	Quartz Range	85.89 132	IAMB	IAMB	03 05 36.4
QRZ	comp-Z,124nm,1.0s		IAMB	IAMB	
CLF	Chambon-foret	86.01 318	IAMB	IAMB	03 05 37.2
CLF	comp-Z,146nm,0.9s		IAMB	IAMB	
EJON	La Jonquera	86.19 312	P	P	03 05 36.5 +0.1
EJON	comp-Z,5.1nm,0.3s,baz=285,slow=4.3,SNR=5.0				
MSVF	Nonsau	86.27 108	P	P	03 05 38.6 +1.3
MSVF	comp-Z,5.1nm,0.3s				
MSVF	Nonsau	86.27 108	eP	P	03 05 38.9 +1.6
MSVF	Nonsau	86.27 108	eP	P	03 05 38.3 +1.0
MSVF	comp-Z,24nm,0.9s		pmax	pmax	
ELMS	Elmstet, Ipswi	86.34 322	eP	IAMB	03 05 37.5 +0.6
ELMS	comp-Z,256nm,0.7s		IAMB	IAMB	
ELSH	Elham, Standar	86.37 321	eP	IAMB	03 05 38.1 +1.0
ELSH	comp-Z,538nm,0.8s		IAMB	IAMB	
THZ	Tophouse	86.38 133	IAMB	IAMB	03 05 37.7
THZ	comp-Z,84nm,0.9s		IAMB	IAMB	
WACR	West Ace	86.49 323	eP	IAMB	03 05 38.4 +0.8
WACR	comp-Z,535nm,0.9s		IAMB	IAMB	
ETOS	Malloca	86.54 309	P	P	03 05 36.9 -1.3
ETOS	TNA	86.62 24	P	P	03 05 38.5 +0.6
ETOS	comp-Z,280,SNR=49				
MOZ	McQueen's Vall	86.64 135	P	P	03 05 38.8 +0.3
MOZ	comp-Z,63nm,0.9s		IAMB	IAMB	
MOZ	McQueen's Vall	86.64 135	P	P	03 05 40.3
MOZ	comp-Z,63nm,0.9s		pmax	pmax	
MOZ	Greta Valley S	86.74 134	IAMB	IAMB	03 06 05.4 -0.1
MOZ	comp-Z,82nm,1.0s		IAMB	IAMB	
GVZ	Saint Paul Isl	86.87 33	P	P	03 05 40.0 +0.6
GVZ	comp-Z,278				
HMXN	Herstmonceux	86.91 321	eP	IAMB	03 05 40.8 +1.2
HMXN	comp-Z,173nm,0.7s		IAMB	IAMB	
LMK	Market Rasen	86.96 323	eP	P	03 05 41.1 +1.3
LMK	comp-Z,75nm,1.0s		IAMB	IAMB	
KHZ	Kahutara	86.98 133	IAMB	IAMB	03 05 40.6
KHZ	comp-Z,75nm,1.0s		IAMB	IAMB	
C16K	Lisburne Hills	87.09 22	P	P	03 05 42.1
C16K	comp-Z,76nm,0.9s		IAMB	IAMB	
C16K	Lisburne Hills	87.09 2			

IDC 17 02:58:37.9.1.9, 54.97N, 164.52E, h0km, mb3.1, 2, mbmp3.2/3, ML2.5/1, Error ellipse: s-maj=135.2km

s-min=25.6km az=153.0

KRSC 17 02:58:39.6.1.5, 54.79N, 164.47E, h40km, 27km, ML3.9

ISC 17 02:58:41.4.1.0, 54.85N, 0.05:164.61E, 0.05, h27km, n32, e188/34, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists various stations like BKI, KBTR, KBG, etc.

TAP 17 03:12:53.5, 24.43N, 121.77E, h58km, ML3.3, B

JMA 17 03:12:53.7, 0.2, 24.4N, 0.5:121.78E, 0.7, h56km, 2km,

MW279, TAIWAN REGION

ISC 17 03:12:53.9, 1.2, 24.4N, 0.02:121.80E, 0.03, h57km, 5km,

n82, e096/145, 2C-1D, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like EWUT, ENA, EHA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like WFS, VVDT, WYDT, etc.

NEIC 17 03:23:39.3, 50.45N, 130.30W, h3km, Moment Tensor Solution. Moment tensor: Scale 10^16Nm; Mrr-0.49;

Mw-0.95; Mw-0.33; Mw-0.93; Mw-0.38; Mw-0.29; Fault plane solution: M2.50000x10^16 NP1: 156.000000;

delta-1.080000, lambda-6.000000. Principal axes: T 2.4516, P1g41.00000;

Azm262.00000; N -0.0896, P1g18.00000; Azm156.00000;

2.3620, P1g44.00000; Azm48.00000;

PGC 17 03:23:39.2, 0.5, 50.45N, 130.30W, h10km, mb4.2,

MLSn3.7/29, Mw4.3/29, 205km west of Pt. Hardy, Bc Vancouver Island, Canada Region

IDC 17 03:23:42.1, 1.1, 50.58N, 129.81W, h0km, mb3.7/8,

mbmp3.8/14, ML3.6/6, MS3.9/26, Error ellipse: s-maj=16.7km s-min=1.1km az=59.0

NEIC 17 03:23:44.4, 1.6, 50.76N, 0.08:129.64W, 0.09, h10km, 2km,

mb4.2/59, Mw4.9(OTT), Error ellipse: s-maj=14.4km s-min=9.3km az=200.0

GCMT 17 03:23:45.4, 0.4, 50.53N, 0.02:130.14W, 0.04, h27km, 1km,

MW4.9/79, Moment Tensor Solution. Scale 10^16Nm; Mrr-0.17; Duration: 0

Moment tensor: Scale 10^16Nm; Mrr-0.17; 20; Mw-2.43; Mw-2.61; Mw-2.71; Mw-2.27; Mw-1.44; Mw-1.03;

Mw-0.31; 23. Best double couple: M2.73700x10^16 NP1: 237.00000;

delta-0.880000, lambda-1.720000. Principal axes: T 2.8750, P1g5.00000;

Azm102.00000; N -0.1510, P1g81.00000; Azm34.00000; P -2.7180, P1g7.00000;

Azm192.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 17 03:23:40.8, 0.6, 50.53N, 0.05:130.08W, 0.04, h10km,

n402, e294/393, mb4.0/13, MS4.1/18, Vancouver Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like HOLB, HOLB, BPEB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Lists stations like SYMB, GOBB, WSLR, etc.

17d 3h

2019 JAN

Table with columns: Station ID, Name, Elevation, Frequency, Band, Mode, Date/Time, and other parameters. Includes stations like K29M Barlow Dome, BCAR Beaver Creek A, ELK Elko, etc.

Table with columns: Station ID, Name, Elevation, Frequency, Band, Mode, Date/Time, and other parameters. Includes stations like I23K Minto, Yukon-K, F28M Old Crow, FYU Fort Yukon, etc.

Table with columns: Station ID, Name, Elevation, Frequency, Band, Mode, Date/Time, and other parameters. Includes stations like F21K comp=Z,21nm,1.3s, F21K Alaina River, TOLK Toolik Lake Re, etc.

Table with columns: ANKY, Antikythira Is, 0.98 130, P, Pb, 03 36 49.0 -1.6, 03 37 03.1 -0.3, 03 37 13.8, etc.

Table with columns: TETR, comp=E,6128um,1.1s, 3.60 1, Pn, Pn, 03 37 27.1 +1.8, etc.

Table with columns: A051A Mrakovica, 9.46 336, ePn, Pn, 03 38 43.7 -2.0, etc.

Table of astronomical observations for 2019 JAN, columns include station name, object name, magnitude, position, and other parameters.

Table of astronomical observations for 2019 JAN, columns include station name, object name, magnitude, position, and other parameters.

Table of astronomical observations for 2019 JAN, columns include station name, object name, magnitude, position, and other parameters.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MGRB Mount Grey, D05A Enunclaw, SHUK Shuker-Mt. Ba, etc.

WEL 17 03:48:55.9,0.9,32.5,10.179E,1.5,h33km,M4.5/6, mB5.1/6,ML4.9/11,MLv4.5/6,Mw(mB)4.4/6,Error ellipse: s-maj=22.7km s-min=4.5km az=123.5, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, OUZ Omaha, MXZ Matakoa Point, etc.

NEIC 17 03:55:06.7,0.7,37.07N,0.01:97.98W,0.02,h8km,5km, Error ellipse: s-maj=2.5km s-min=1.4km az=66.0

NEIC 17 03:55:06.3,0.8,37.07N,0.03:97.98W,0.03,h10km,2km, mb_Lg2.8/58,ML3.1/31,ML2.8/11,Error ellipse: s-maj=4.3km s-min=3.7km az=338.0, Kansas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KAN05 Bluff City Nor, KAN08 Anthony NE Sta, KAN10 Anthony SW Sta, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NOKA comp=E,525nm,0.3s, OK051 E0350 and S346, QUOK Quay, etc.

IDC 17 03:55:50.2,1.4,8.30N,137.70E,h0km,mb3.7/6, mbTm3.7/6,Error ellipse: s-maj=68.8km s-min=23.3km az=79.0

ISC 17 03:55:55.1,3,8.30N,0.2:137.7E,0.4,h35km,n13, #0817,mb4.07,Western Caroline Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, H11S3 WAKE ISLAND Hy 29.96 67 T, etc.

IDC 17 04:14:51.4,2.7,4.26S:135.26E,h0km,mb4.1/3, mbTm4.1/4,ML4.7/2,MS3.3/3,Error ellipse: s-maj=124.7km s-min=14.0km az=85.0,Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, KAPI Kappang, WRA Warramunga Arr, etc.

IDC 17 04:24:12.4,1.2,37.09N:77.58E,h0km,mb4.0/4, mbTm3.7/7,ML3.0/3,MS4.1/1,Error ellipse: s-maj=35.8km s-min=18.0km az=64.0

NINC 17 04:24:21.9,1.1,37.45N:77.94E,h20km,5km,mb4.3, mpv4.0,Error ellipse: s-maj=8.1km s-min=6.4km az=115.0

ISC 17 04:24:15.2,1.3,37.26N:0.09:77.66E,0.10,h17km,n28, #218/23,mb3.9/4,6C-3D,Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TNSS Tian-Shan, SATY Sathy, TKM2 Tokmak 2, etc.

LDO 17 04:26:55.4,1.0,39.675N:0.010:77.93W,0.01,h5km,1km, Error ellipse: s-maj=2.8km s-min=2.0km az=279.0

NEIC 17 04:26:54.5,1.2,39.58N:0.01:77.92W,0.01,h5km,1km, Error ellipse: s-maj=2.8km s-min=2.0km az=275.0, Virginia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like P57A Homestead Farm, SDMD Soldier's Deli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANIL Santa Ana, GUY2C Guyana, Caudas, NIZA Niza - Manizal, etc.

VAO 17 04:55:27.2,0.9,18.868:69.23W,h00km,10km,mb4.1
NEIC 17 04:55:29.3,1.7,18.883:0.05:69.44W,0.07,h110km,6km,
mb4.2/20,Error ellipse: s-maj=9.8km s-min=5.5km
az=61.0

GUC 17 04:55:30.0,0.8,18.905:69.45W,h107km,4km,ML4.0
IDC 17 04:55:31.7,1.7,18.885:68.98W,h133km,19km,mb3.7/4,
mbmp4.1/9,Error ellipse: s-maj=18.5km s-min=17.9km
az=15.0

ISC 17 04:55:28.4,0.6,18.865:0.03:69.25W,0.05,h104km,7km,
n80,i158/94,mb4.1/6,1C-SD,Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like G001 Chusmiza, PX02 IPOC Station P, PB12 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AMBA Amambai (Braz), MT02 Curacav, MT08 Bucotoma Ro, etc.

SJA 17 05:05:36.0,0.7,22.01S:65.91W,h288km,6km,ML3.6,
MW3.9

NEIC 17 05:05:37.7,1.8,22.04S:0.06:66.19W,0.06,
h302km,10km,mb4.3/17,Error ellipse: s-maj=10.9km
s-min=4.2km az=141.0

IDC 17 05:05:37.8,1.4,21.98S:65.92W,h264km,15km,mb3.3/7,
mbmp3.9/11,Error ellipse: s-maj=17.1km s-min=12.5km
az=94.0

VAO 17 05:05:39.0,0.8,21.895:65.83W,h276km,7km,mb4.1
ISC 17 05:05:36.9,0.4,21.995:0.05:66.02W,0.05,h262km,n91,
i171/98,mb4.1/12,Southern Bolivia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YJA Yavi, AF01 San Pedro de A Zapla, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VAO Valinhos, G006 Curarehue, BDFB Brasilia, etc.

AEIC 17 05:17:30.9,1.3,65.14N:0.03:149.01W,0.08,h20km,7km,
ML3.4,ML3.6/157(NEIC),Error ellipse: s-maj=5.2km
s-min=4.0km az=60.0

NEIC 17 05:17:30.7,0.8,65.15N:0.02:149.05W,0.08,h16km,2km,
Error ellipse: s-maj=4.9km s-min=3.2km az=94.0

ISC 17 05:17:30.7,0.8,65.15N:0.03:149.05W,0.02,h16km,6km,
n213,i087/220,Northern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like I23K Minto, Yukon-K, I23K Minto, Yukon-K, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like G24K Hadweencic Riv, RND Reindeer, TRF Thorofore Moun, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like EGAK Eagle, GHO Glory Hole Cre, SCM Sheep Creek Mo, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like J17K comp=N,58nm,0.9s, K17K Iditarod, K17K comp=E,62nm,0.9s, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, etc.

ASRS 17 05:54:53.0±0.8,54.23N:86.41E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 05:54:57.2±0.9,54.19N:86.31E, h0km, mbtmp3.1/2, ML2.5/2, Error ellipse: s-maj=21.5km s-min=12.4km az=61.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV Kurchatov Arr, etc.

IDC 17 06:00:14.9±1.3,22.08S:169.77E, h0km, mb3.9/5, mbtmp3.9/6, ML3.5/1, MS3.3/2, Error ellipse: s-maj=35.9km s-min=25.2km az=158.0

NOU 17 06:00:30.1,22.38S:168.71E, h0km, MLv3.1/8, New Caledonia

ISC 17 06:00:18.2±1.1,22.2S:0.16974E:0.10, h25km, n18, c258/17, mb3.9/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like MARNC Mare, Loyalty, MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

IDC 17 06:05:34.1±0.9,2.36N:96.57E, h0km, mb4.1/11, mbtmp4.1/12, ML4.8/1, MS3.2/4, Error ellipse: s-maj=34.3km s-min=15.4km az=52.0

DJA 17 06:05:40.4±0.4,2°N:3°9'E, h49km, 13km, M4.1/10, MLv4.1/10

NEIC 17 06:05:41.4±0.9,2°47'N:0°3.96'E:0.1, h39km, 8km, mb4.3/23, Error ellipse: s-maj=19.1km s-min=2.1km

ISC 17 06:05:39.9±0.5,2.48N:0.05:96.80E:0.05, h33km, n58, c092/50, mb4.3/23, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Type, and Status. Includes stations like SNSI Sinabang, Aceh, GSI Gunungsitoli, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like KCSI Kotacane, MSLSI Meulaboh, PSI Prapat, etc.

IDC 17 06:14:32.4.4.0, 10.78N:62.26W, h0km, mb3.9/5, mbmp3.9/5, MS2.12, Error ellipse: s-maj=120.9km s-min=38.1km az=175.0

TRN 17 06:14:43.9, 10.92N:62.20W, h57km, MD3.9, North of the Paria peninsula.

FUNV 17 06:14:44.7, 10.82N:62.17W, h77km, MW4.1

ISC 17 06:14:43.2.0.0, 10.83N:0.04:62.25W, h0.03, h83km, gkm, n49, i166/79, mb3.9/5, 3C, Near coast of Venezuela

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like PSKH Kent House, PSQC Port of Spain, PSQH Port of Spain, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like PCRV Richmond Hill, SVOC SVOC, SVT Saint Vincent, etc.

ASRS 17 06:16:29.0.1.7, 56.09N:86.23E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 17 06:16:36.3.3.5, 85.85N:86.26E, h0km, mbmp2.6/3, ML2.1/3, Error ellipse: s-maj=39.9km s-min=32.0km az=97.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like H46RU Zalesovo INFRA, ZALV Zalesovo Beam, etc.

IDC 17 06:21:06.2.1.4, 17.50S:178.32W, h643km, 17km, mb3.2/9, mbmp4.2/11, Error ellipse: s-maj=33.7km s-min=15.2km az=151.0

ISC 17 06:21:06.9.0.8, 17.55S:0.2:178.4W, 0.2, h650km, n12, i109/14, mb3.7/9, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, RAO Raoul Island, etc.

ASAR Alice Springs 44.94 254 P 0.2nm, 0.6s, baz=91, slow=7.1, SNR=56

ASAR 3.5nm, 0.6s, baz=87, slow=4.0, SNR=1.5

MJAR Matsushiro Arr 67.58 323 P 1.0nm, 0.3s, baz=151, slow=5.7, SNR=1.5

NVAR Mina Array Bea 79.09 44 P 1.4nm, 0.6s, baz=246, slow=6.9, SNR=1.6

ILAR Eielson Array 85.46 13 P 0.4nm, 0.4s, baz=207, slow=4.7, SNR=15

TXAR Lajlajas Array 85.74 58 P 3.1nm, 0.7s, baz=241, slow=4.9, SNR=51

PDAR Pinedale Array 87.02 43 P 1.0nm, 0.6s, baz=246, slow=4.2, SNR=12

YKA Yellowknife Ar 93.93 25 P 0.4nm, 0.9s, baz=235, slow=5.0, SNR=4.8

NOU 17 06:29:52.2.37:33S:179.80E, h0km, ML3.9/7, Off E. Coast of N. Island, N.Z.

WEL 17 06:30:01.9.1.0, 37.5S:17.9E, h12km, M3.1/12, ML3.4/13, MLV3.1/12, Error ellipse: s-maj=10.5km s-min=6.2km az=106.1

ISC 17 06:30:01.9.2.7, 37.30S:0.07:179.1E, 0.1, h2km, 13km, n55, o84/68, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like MDX The Araroa Dist, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like TWGZ Carnagh Statio, CNGZ Carnagh Statio, CNGZ Te Karaka, etc.

IDC 17 06:44:13.9:0.9, 35.29N:3.47W, h0km, mb3.4/8, mbmp3.4/10, ML2.8/2, MS2.3/1, Error ellipse: s-maj=28.2km s-min=12.7km az=100.0

CNRN 17 06:44:17.1, 35.28N:3.49W, h14km, ML3.8 MDD 17 06:44:17.0, 0.3, 35.16N:3.54W, h0km, mb_Lg3.5/38, Error ellipse: s-maj=2.4km s-min=1.7km az=150.0

IGL 17 06:44:18.3, 35.12N:3.50W, h7km, INMG 17 06:44:18.2, 1.6, 35.12N:3.49W, h14km, 6km, ML3.1, Error ellipse: s-maj=5.7km s-min=3.4km az=150.0

#DIST RANGE: REGIONAL #PMA_REGION: SE AI Hoceima (MARR)

SFS 17 06:44:18.8, 35.23N:3.49W, h7km, ML3.8/24, ML4.0/24, ML3.6/24

ISC 17 06:44:17.8:1.0, 35.19N:0.02:3.48W, 0.02, h23km, 8km, n145, i158/232, mb3.5/7, 1C, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like PALE Palesmas, GOG Mont Gurugu, EMEL Melilla, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Zarzadilla de EZA, Adamuz EAD, Cartagena CART, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Alcochete GUD, Castelo Branco PCBR, Mosqueruela EMOS, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like Kastek MNAS, Kastele KST, Karatobe DGS, etc.

Table with columns: SRS, SRR, SRS, BARS, SELS, SJES, STON, ZAPS, GOCS, IVAS, BBLs, MLR, SOKA, OBKA, BRTR, MYKA, KHC, AKASG, ESDC, HFS, EKA, FINES, NOA, ARCES, BVAR, KURBB, MKAR, ZALV. Includes station names, coordinates, and time/residual data.

IDC 17:07:00:15.4-4.8, 4.46S, 105.73E, h0km, mb3.6/3, mbmp3.7/4, ML4.1/1, Error ellipse: s-maj=100.6km s-min=60.5km az=68.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BLSI, SBJI, CIBIN, KASI, TANG, LWIJ, SKUB, MDSI, CNJI, LEM, LEM, WRA, ASAR, STKA.

ASRS 17:07:01:12.0-1.1, 53.62N, 87.76E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 17:07:01:18.3-2.6, 53.37N, 87.47E, h0km, mbmp2.9/3, ML2.8/3, Error ellipse: s-maj=26.5km s-min=15.4km az=44.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALV, ZALV, KURBB, KURBB, MKAR, MKAR, SONMI.

SDD 17:07:02:17.5-2.5, 18.84N, 70.14W, h109km, 16km, MD3.0, ML2.5, MW2.8

OSPL 17:07:02:19.3-1.8, 18.77N, 70.15W, h88km, 12km, ML2.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DR08, SDD, ABDR, BANI, NADR, HATOM, SC01.

Table with columns: SC01, SMDR, MIDR, SDDR, PODR, LONEJ, LODUI, LOBH, PCDR. Includes station names, coordinates, and time/residual data.

MEX 17:07:23:52.9-0.4, 14.40N, 92.23W, h74km, 7km, MD4.1, GCG 17:07:23:52.2-1.0, 14.24N, 92.20W, h24km, 5km, MD4.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG, CHJU, SOKI, QUIS, GUMI, PCIG, CCIG, CCIG, SLOZ, NUBE, NUBE, NUBE, RTR, TGIG, JAYA, PMON, LALI, LOAL, COEG, TECO, SCLA, XUVU, POSS, CMIG, HUIG, NEUV.

NNC 17:07:29:40.2-0.5, 49.98N, 78.81E, h0km, mb2.8, mpv2.4, Error ellipse: s-maj=12.5km s-min=2.6km az=73.0

IDC 17:07:29:42.1-1.1, 50.06N, 78.78E, h0km, mbmp2.4/2, ML2.0/2, Error ellipse: s-maj=18.6km s-min=6.6km az=64.0

IDC 17:07:29:41.5-1.7, 50.01N, 08.78E, 0.2, h0km, n16, az=48.4, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUR07, KUR07, KUR06, KUR07, KUR14, KUR14, KUR15, KUR15, KURBB, KURBB, KUR16, KUR16, KUR17, KUR17, KUR05, KUR05, KUR04, KUR04, KURK, KURK, MAZK, MAZK, MK31, MK31, MKAR, MKAR, MKAR, MKAR, H46RU, ZALV.

IDC 17:07:36:07.9-1.1, 0.545S, 133.68E, h0km, mb3.6/1, mbmp3.4/4, ML3.1/3, Error ellipse: s-maj=170.3km s-min=70.3km az=149.0, Aru Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, FITZ, FITZ, ASAR, STKA, FCH, FCH, FCH, MT04, MT04, MT04, MT08, MT08, MT08, MT10, MT10, MT10, MT16, MT16, MT16, MT14, MT14, MT14, MT03, MT03, MT03, MT05, MT05, MT05, MT15, MT15, MT15, MT13, MT13, MT13, PEL, PEL, PEL, PEL, MT05, MT05, MT05, MT05, MT05, MT12, MT12, MT12, LMEL, LMEL, LMEL, VA03, VA03, VA03, VA03, BO04, BO04, BO04, MT02, MT02, MT02, MT09, MT09, MT09, MT01, MT01, MT01, VA06, VA06, VA06, VA05, VA05, VA05, VA01, VA01, VA01, BO01, BO01, BO01, CO04, CO04, CO04, BO02, BO02, BO02, BO02, BO03, BO03, BO03, GO05, GO05, GO05, ZON, ZON, CO03, CO03, CO03, ML02.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, FITZ, FITZ, ASAR, STKA, FCH, FCH, FCH, MT04, MT04, MT04, MT08, MT08, MT08, MT10, MT10, MT10, MT16, MT16, MT16, MT14, MT14, MT14, MT03, MT03, MT03, MT05, MT05, MT05, MT15, MT15, MT15, MT13, MT13, MT13, PEL, PEL, PEL, PEL, MT05, MT05, MT05, MT05, MT05, MT12, MT12, MT12, LMEL, LMEL, LMEL, VA03, VA03, VA03, VA03, BO04, BO04, BO04, MT02, MT02, MT02, MT09, MT09, MT09, MT01, MT01, MT01, VA06, VA06, VA06, VA05, VA05, VA05, VA01, VA01, VA01, BO01, BO01, BO01, CO04, CO04, CO04, BO02, BO02, BO02, BO02, BO03, BO03, BO03, GO05, GO05, GO05, ZON, ZON, CO03, CO03, CO03, ML02.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Fray Jorge, Juntas del Tor, Punta Hualpén, etc.

CNRM 17 07:39:38.8, 35.18N, 3.45W, h11km, ML1.9
MDD 17 07:39:38.0, 9.35, 11N, 3.46W, h11km, 5km, mb_Lg2.3/4,
Error ellipse: s-maj=8.2km s-min=3.7km az=175.0

SFS 17 07:39:38.8, 35.09N, 3.49W, h0km, ML2.8/4, ML2.5/5,
ML2.3/5

ISC 17 07:39:38.1, 1.5, 35.14N, 0.03, 3.48W, 0.03, h19km, 3km,
n22, c083/31, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PALE, GOG, EMEL, etc.

WRA Waramunga Arr 13.44 16 Op P 07 52 06.8 +0.1

ASAR Alice Springs 16.82 16 Pn Pn 07 52 52.1 +0.1

NEIC 17 07:59:26.8, 1.3, 31.16N, 0.05, 130.4E, 0.1, h15km, 4km,
mb4.2/6, Error ellipse: s-maj=14.3km s-min=6.7km az=101.0

IDA 17 07:59:26.3, 0.9, 31.24N, 1.30, 31E, h156km, 7km, mb3.7/20,
mbmp4.2/24, Error ellipse: s-maj=15.1km s-min=9.5km az=89.0

NIED 17 07:59:27.2, 31.18N, 130.34E, h150km, MW4.2, Moment
Tensor Solution, s3 Moment tensor: Scale 10^19Nm;
Mn: 2.00; Mw: -0.50; Mx: -1.50; My: -0.63; Mz: -0.80;
Mw: 0.33; Fault plane solution: M2.090000; N1:
0.19, 0.0000; S3: 0.0000; T4: 0.0000; NP2: 0.219, 0.0000;
0.54, 0.0000; 1.02, 0.0000

JMA 17 07:59:27.0, 31.2N, 0.4, 130.3E, 0.7, h150km, 1km,
Md4.0/39, MV4.1/39, SATSUMA PENINSULA REGION
JMA Fd1 J1 at SATSUMA PENINSULA REGION.

ISC 17 07:59:26.1, 0.6, 31.16N, 0.04, 130.37E, 0.06, h159km, 5km,
n91, c1518/99, mb4.13/35, 2D, Kyushu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JSU, JTSR, JTR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JSJ, JNAR, JMTN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JYAK, JYAK, JYAK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOW, JOW, JOW, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKA, JKA, JKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SANI, SANI, SANI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KKAR, KKAR, KKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like C16K, C16K, C16K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I18K, I18K, I18K, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA, STKA, STKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YKA, YKA, YKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EKA, EKA, EKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOAV, BOAV, BOAV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHO, JHO, JHO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KK31, KK31, KK31, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BELG, BELG, BELG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H46RU, H46RU, H46RU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK, KURK, KURK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAZK, MAZK, MAZK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEIC, NEIC, NEIC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUC, GUC, GUC, etc.

az=84.0
VAO 17 08:07:25.6:1.1, 22.46S:68.51W, h114km, gkm, mb3.4
ISC 17 08:07:22.0:0.5, 22.61S:0.03:68.97W, 0.05, h114km, 4km,
n71, c154/89, mb4.0/4, 9C-2D, Northern Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
AF01	San Pedro de A	0.81	115	Op	08 07 42.8	+0.9
AF01	San Pedro de A	0.81	115	Pn	08 07 43.1	+1.0
AF01				eS	08 07 58.9	+2.0
AF01				IAML	08 07 59.7	
comp=E, 26um, 0.9s						
PB09	IPOC Station P	0.85	343	Pn	08 07 42.9	+0.8
PB09	IPOC Station P	0.85	343	eP	08 07 43.1	+1.0
PB09				eS	08 07 58.4	+1.2
PB09				IAML	08 07 59.9	
comp=N, 7um, 0.3s						
PB04	IPOC Station P	1.12	284	Pn	08 07 44.5	-0.3
PB04	IPOC Station P	1.12	284	eP	08 07 45.0	+0.2
PB04				eS	08 08 02.2	0.0
PB04				IAML	08 08 07.6	
comp=N, 3um, 0.4s						
PB01	IPOC Station P	1.63	343	Pn	08 07 51.0	+0.4
PB01	IPOC Station P	1.63	343	eP	08 07 51.1	+0.4
PB01				eS	08 08 12.7	+0.2
PB01				IAML	08 08 13.8	
comp=N, 9um, 0.3s						
PATCX	Punta Patache	2.09	328	Pn	08 07 55.6	-0.8
PATCX	IPOC Station P	2.28	344	eP	08 07 58.9	-0.6
PX03				eS	08 08 12.7	+0.2
PX03				IAML	08 08 28.8	
comp=N, 2um, 0.1s						
TA01	Diego Aracena	2.32	331	Pn	08 07 58.2	-1.0
TA01	Diego Aracena	2.32	331	eP	08 07 58.6	-0.7
TA01				eS	08 08 12.7	+0.2
TA01				IAML	08 08 29.2	
comp=E, 2um, 0.3s						
PB14	IPOC Station P	2.40	213	Pn	08 07 59.9	-0.5
PB14	IPOC Station P	2.40	213	eP	08 08 00.9	+0.1
PB14				eS	08 08 12.7	+0.8
PB14				IAML	08 08 30.1	
comp=E, 572nm, 0.5s						
PB08	IPOC Station P	2.46	356	Pn	08 08 01.5	+0.1
PB08	IPOC Station P	2.46	356	eP	08 08 02.0	+0.6
PB08				eS	08 08 14.1	+0.2
PB08				IAML	08 08 35.7	
comp=E, 935nm, 0.3s						
HMBC	Humberstone	2.47	340	Pn	08 08 00.4	-0.9
TA02	Huaquique	2.57	335	Pn	08 08 01.3	-1.1
TA02	Huaquique	2.57	335	eP	08 08 01.9	-0.5
TA02				eS	08 08 32.0	-1.4
GO02	Mina Guanaco	2.60	192	Pn	08 08 03.2	0.0
GO02	Mina Guanaco	2.60	192	eP	08 08 03.4	+0.3
GO02				eS	08 08 35.1	+0.4
GO02				IAML	08 08 40.6	
comp=E, 868nm, 0.1s						
GO01	Chusmiza	2.93	356	Pn	08 08 07.6	0.0
GO01	Chusmiza	2.93	356	eP	08 08 08.0	+0.4
GO01				eS	08 08 42.8	-0.7
GO01				IAML	08 08 47.6	-1.4
AC01	Pan de Azucar	3.82	202	Pn	08 08 17.5	-1.4
PB12	IPOC Station P	4.17	342	Pn	08 08 22.2	-1.6
AC02	Maricunga	4.21	182	Pn	08 08 25.2	+0.5
AC06	Mina Casimiro	4.89	195	Pn	08 08 32.3	-1.1
PB18	Visiviri	5.02	354	Pn	08 08 37.1	+1.5
LPAZ	La Paz	6.34	7	Pn	08 08 54.4	+0.8
LPAZ	La Paz	6.34	7	eP	08 08 55.2	+1.6
LPAZ	La Paz	6.34	7	eP	08 08 54.7	+1.2
CO01	Juntas del Tor	7.41	188	Pn	08 09 05.5	-2.1
GO04	Tololo Observa	7.71	192	Pn	08 09 08.2	-3.5
SIV	San Ignacio	9.95	50	Pn	08 09 39.3	-2.7
comp=E, 4.7nm, 0.4s, baz=244, slow=9.0, SNR=37				S	08 11 21.6	-1.0
MURT	Porto Murtinho	10.57	87	Pn	08 09 48.1	-2.3
CPUP	Villa Florida	11.23	112	Pn	08 09 56.9	-2.2
comp=E, 3.0nm, 1.0s, baz=294, slow=12, SNR=5.6						
BQDN	Bodoquena, MS	11.58	82	Pn	08 10 02.2	-1.6
PTLB	Pontes e Lacer	11.71	54	Pn	08 10 02.6	-3.0
BO02	Sierra Bellavi	12.24	187	Pn	08 10 12.5	-0.1
JADB	Aquidauana	12.53	83	eP	08 10 14.7	-1.7
SALV	Santo Antonio	12.90	64	eP	08 10 36.4	-1.6
CZSB	Cruzeiro do Su	15.22	346	eP	08 10 54.8	+1.4
PTGB	Pitanga	15.63	101	eP	08 10 55.3	-0.9
CPBS	Capacava Do Su	15.91	122	eP	08 10 58.3	-1.2
PRDR	Porto dos Gac	16.00	49	eP	08 10 59.5	-1.3
LDASE	Londrina, Braz	16.46	95	eP	08 11 06.0	-1.1
TROA	Tornquist	16.53	160	Pn	08 11 05.9	-1.1
TRQA				IAMB	08 11 13.8	
comp=E, 3.0nm, 1.1s						
CNLB	Canela	17.60	116	eP	08 11 19.1	-0.6
ITRB	Iurama	17.60	84	eP	08 11 19.1	-1.1
PLCA	Paso Flores	18.12	184	Pn	08 11 27.4	+2.2
comp=E, 1.4nm, 0.8s, baz=6.3, slow=14, SNR=5.9						
LL04	Puerto Octay	18.47	188	Pn	08 11 29.9	+0.9
TER01	Tubaro-SC	18.84	112	eP	08 11 33.9	-1.1
SNDP	Serra Nova Dou	19.30	61	eP	08 11 43.4	-1.4
LL01	San Ignacio de	19.92	187	Pn	08 11 49.9	+0.2
LL01				IAMB	08 11 48.6	
comp=E, 7.2nm, 0.8s						
IPMB	Ipameri, GO	20.00	80	eP	08 11 44.3	-1.7
NPGB	Novo Progresso	20.29	42	eP	08 11 49.1	+0.2
VAO	Vailinhos	20.29	95	eP	08 11 48.1	-0.9
VAO	Vailinhos	20.29	95	Pn	08 11 48.1	-0.9
MACA	Manacapura-AM	20.94	24	Pn	08 11 55.9	0.0
MACA				IAMB	08 12 37.3	
comp=E, 3.3nm, 1.5s						
BDFB	Brasilia	20.97	74	Pn	08 11 55.5	-0.8
BDFB				IAMB	08 11 57.7	
comp=E, 6.7nm, 0.5s						
BDFB	Brasilia	20.97	74	Pn	08 11 55.1	-1.3
comp=E, 6.8nm, 0.5s, baz=261, slow=12, SNR=12						
ITTB	Iaituba	22.21	37	eP	08 12 08.3	-1.1
SMTB	Santa Maria do	24.66	60	eP	08 12 32.0	-0.2
SDBA	SAO DESIDERIO	25.06	70	eP	08 12 34.8	-1.4
TXAR	Lajitas Arr	25.10	326	Pn	08 17 28.3	+1.2
comp=E, 0.2nm, 0.6s, baz=127, slow=4.0, SNR=2.9						
TXAR				Pn	08 17 55.7	+0.5
comp=E, 0.1nm, 0.4s, baz=146, slow=7.8, SNR=1.8						
TXAR				S	08 18 08.0	+0.3
comp=E, 0.2nm, 0.7s, baz=140, slow=6.5, SNR=3.7						
QSPA	South Pole Qui	67.59	180	Pn	08 18 07.9	+1.6
comp=E, 0.9nm, 0.3s, baz=257, slow=3.9, SNR=1.7						
QSPA				Pn	08 18 36.2	+1.0
comp=E, 1.1nm, 0.2s, baz=165, slow=5.4, SNR=1.9						
TORD	Tordi Ar. Bea	77.78	70	Pn	08 19 07.0	-0.2
TORD				IAMB	08 19 08.3	
comp=E, 3.0nm, 0.6s						
TORD	Tordi Ar. Bea	77.78	70	Pn	08 19 07.7	+0.4
comp=E, 2.2nm, 0.5s, baz=259, slow=5.0, SNR=19						
TORD				Pn	08 19 36.1	-0.6
comp=E, 1.5nm, 0.5s, baz=262, slow=5.6, SNR=3.3						
TORD				S	08 19 48.2	-0.9
comp=E, 1.0nm, 0.5s, baz=253, slow=7.1, SNR=2.5						
YKA	Yellowknife Ar	92.21	341	Pn	08 20 19.4	+0.9
comp=E, 0.1nm, 0.4s, baz=137, slow=4.5, SNR=2.4						
YKA				Pn	08 20 48.4	-0.1
comp=E, 0.1nm, 0.5s, baz=136, slow=4.4, SNR=2.4						
YKA				S	08 21 01.2	+0.5
comp=E, 0.3nm, 0.8s, baz=137, slow=4.7, SNR=4.3						
WRA	Warramunga Arr	131.97	210	PKP	08 26 24.1	+1.1
comp=E, 0.3nm, 0.6s, baz=145, slow=1.7, SNR=3.2						
MKAR	Makanchi Array	146.56	87	PKP	08 26 51.6	+1.3
comp=E, 0.2nm, 0.6s, baz=347, slow=3.7, SNR=3.6						
MKAR				PKP	08 27 20.2	+0.1
comp=E, 0.2nm, 0.8s, baz=286, slow=4.9, SNR=3.7						

2.8nm, 0.5s, baz=63, slow=11, SNR=1.5

STKA Stephens Creek 38.71 241 P 08 19 15.2 +0.2
2.7nm, 0.5s, baz=89, slow=9.8, SNR=8.0
2.7nm, 0.5s

WRA Warramunga Arr 44.66 259 P 08 20 02.3 +0.4
1.9nm, 0.3s, baz=95, slow=7.2, SNR=2.7

ASAR Alice Springs 44.84 254 P 08 20 03.8 +0.6
6.6nm, 0.4s, baz=87, slow=8.7, SNR=169

ASAR 6.6nm, 0.4s, baz=111, slow=3.8, SNR=1.4
0.4nm, 0.4s

ILAR Eielson Array 85.73 13 P 08 24 16.4 -0.6
1.0s, baz=209, slow=7.4, SNR=2.0
0.4nm, 1.0s

TXAR Lajitas Arr 85.91 58 P 08 24 18.9 +0.2
0.5nm, 0.8s, baz=224, slow=7.0, SNR=5.9
0.5nm, 0.8s

IDC 17 08:31:46.4:2.3, 26.80N:88.49E, h0Kkm, mb3.3/4,
mbtmp3.4/4, MS3.4/1, Error ellipse: s-maj=86.6km
s-min=25.2km az=69.0

DMN 17 08:31:52.7:0.0, 27.42N:88.78E, h10Kkm, M4.5/5, Error
ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 17 08:31:50.1:1.2, 27.1N:0.1:88.97E:0.06, h10Kkm, n13,
c1920/15, mb3.6/4, Sikkim

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
TAPN	Taplejung	1.15	283	Pg	08 32 11.6	-0.6
ODAN	Odare	1.43	261	Pg	08 32 18.4	+0.8
ODAN				Sg	08 32 35.3	+0.5
RAMN	Ramite	2.12	267	Pg	08 32 29.9	+1.1
RAMN				Sg	08 32 56.9	-1.4
GUN	Gumba	2.86	287	Sg	08 33 15.5	-1.2
PKI	Pulchoki	3.20	279	Sb	08 33 26.6	+0.1
PKIN	Pulchoki	3.21	279	Sg	08 33 26.6	-0.2
DMN	Daman	3.47	279	Pg	08 32 53.4	+1.5
MKAR	Makanchi Array	20.36	347	Pn	08 36 26.5	-0.2
comp=E, 5.2nm, 1.8s, baz=88, slow=38						
USRK	Ussuriysk Arr	38.41	52	LR	08 56 26.1	
WRA	Warramunga Arr	64.18	132	Pn	08 42 24.4	-0.8
ASAR	Alice Springs	66.56	135	Pn	08 42 38.8	-1.9
comp=E, 0.7s, baz=314, slow=7.1, SNR=1.8 0.2nm, 0.7s						
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
KSI	Kapahiang	1.42	1			

NNC 17 10:13:45.9;1.7,51.55N;75.61E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=17.0km s-min=6.6km az=171.0, Suspected Mining explosion.

IDC 17 10:13:48.9;1.0,51.58N;75.85E, h0km, mbmp2.7/3, ML2.2/3, Error ellipse: s-maj=22.8km s-min=7.8km az=30.0

ISC 17 10:13:48.3;1.1,51.46N;0.08;75.71E;0.07,h0km,m10, #086/12,6C-4D, Eastern Kazakhstan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like KURBB Kurchatov Arra, KURKB Kurchatov Arra, KURK Kurchatov, etc.

NEIC 17 10:14:54.9;1.2,32.23S;0.03;71.85W;0.09,h10km,2km, mb4.3/2, Error ellipse: s-maj=13.1km s-min=4.0km az=257.0

IDC 17 10:14:54.4;1.7,32.26S;70.79W,h0km,mb4.0/1, mbmp3.6/5,ML3.7/4,MS3.0/3, Error ellipse: s-maj=44.1km s-min=22.7km az=109.0

GUC 17 10:14:56.9;0.9,32.27S;71.72W,h34km,11km,ML3.8 Error ellipse: s-maj=18.5km s-min=7.1km az=109.0

ISC 17 10:14:54.3;1.6,32.23S;0.04;71.75W;0.06,h13km,10km, n53, #099/61,mb4.1/3,1C-4D,Near coast of central Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like VA06 Catapilco, CO04 Los Peladeros, VA01 Torpederas, etc.

Table with columns: LPAZ La Paz, SIV San Ignacio, SIV San Ignacio, ETMB Extrema, BDFB Brasilia, BOAV Boa Vista, TORO Torodi Arra, MTJD Mount Denham, ZALV Zalesovo Beam, MKAR Makanchi Array. Includes time and phase information.

JSN 17 10:20:09.2;0.7,18.15N;76.85W,h18km,5km,MD3.4 SSNC 17 10:20:09.8;1.4,18.21N;76.85W,h7km,13km,MD3.0, ML3.0,MV4.1

ISC 17 10:20:07.9;1.1,18.25N;0.06;76.84W;0.05,h15km,10km, n16, #1946/29,5C-1D,Jamaica region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like STH Stony Hill, STH Stony Hill, STH Stony Hill, etc.

NEIC 17 10:34:45.1;0.6,5.6S;0.2;151.86E;0.09,h55km,25km, mb4.4/10, Error ellipse: s-maj=25.1km s-min=7.8km az=207.0

IDC 17 10:34:45.5;3.2,5.34S;151.64E,h66km,26km,mb3.9/12, mbmp4.2/13,ML2.0/1,MS3.3/4, Error ellipse: s-maj=31.1km s-min=17.3km az=112.0

ISC 17 10:34:43.9;0.6,5.46S;0.08;151.83E;0.08,h50km,n32, #1939/31,mb4.3/18,MS3.4/4,Near Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like RABL Rabaul, MANU Manus Island, PMG Port Moresby, etc.

Table with columns: MORW Morawa, RAR Rarotonga, CMAR Chang Mai Arr, SONM Songino Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ILAR Iselion Array, KURBB Kurchatov Arra, GSPA South Pole Qui, NRIK Noril'sk, BVAR Borovoye Array, INK Inuvik, NVAR Mina Array Bea, TORO Torodi Arra. Includes time and phase information.

NNC 17 10:45:49.9;1.0,51.60N;75.14E,h0km,mb2.4,mpv2.0, 3D, Error ellipse: s-maj=56.5km s-min=5.7km az=25.0, Suspected Mining explosion.

IDC 17 10:45:49.1;0.3,51.90N;75.71E,h0km,mbmp2.7/2, ML2.0/2, Error ellipse: s-maj=33.5km s-min=9.3km az=31.0

ISC 17 10:49:21.2;1.3,51.9N;0.1;76.06E;0.07,h0km,n12, #0979/8C-3D, Eastern Kazakhstan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like KURK Kurchatov, KURKB Kurchatov Arra, BVAR Borovoye Array, MK31 Makanchi Array, etc.

NNC 17 10:49:17.4;0.7,51.45N;75.23E,h0km,mb3.1,mpv2.7, Error ellipse: s-maj=13.2km s-min=4.6km az=23.0, Suspected Mining explosion.

IDC 17 10:49:19.0;1.3,51.90N;75.71E,h0km,mbmp2.7/2, ML2.0/2, Error ellipse: s-maj=33.5km s-min=9.3km az=31.0

ISC 17 10:49:21.2;1.3,51.9N;0.1;76.06E;0.07,h0km,n12, #0979/8C-3D, Eastern Kazakhstan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like KURK Kurchatov, KURKB Kurchatov Arra, BVAR Borovoye Array, etc.

BUI 17 10:51:54.8,4;67S;67.69E,h27km,mb5.4/23,mb4.8/58, Ms4.8/35,Ms7.4/5/35

MOS 17 10:51:57.0;1.0,4.19S;68.25E,h10km,mb5.1/45, Error ellipse: s-maj=12.0km s-min=5.4km az=89.6

IDC 17 10:51:57.5;0.6,4.04S;68.40E,h0km,mb4.4/20, mbmp4.4/20,MS4.2/63, Error ellipse: s-maj=19.2km s-min=16.2km az=16.0

NEIC 17 10:51:60.2;2.5,4.2S;0.1;68.2E;0.1,h10km,1km, mb5.1/48, Error ellipse: s-maj=21.1km s-min=17.8km az=21.0

GCMT 17 10:52:00.0;0.2,4.2S;0.01;68.37E;0.01,h12km, MW5.0/125, Moment Tensor Solution. s47 c56; s125,c191; Duration: 0 Moment tensor: Scale 10^16Nm; Mw=4.52;0.8; Mw=2.37;0.8; Mw=2.15;0.8; Mw=0.52;2.9; Mw=2.07;0.6; Mw=0.07;2.8; Best double couple: M=4.5600x10^16 NP1,phi=318.000000, delta3.000000, lambda=83.000000, NP2,phi=129.000000, delta7.000000, lambda=97.000000. Principal axes: T 4.3450,Plg2.0000, Azm223.0000;N 0.2210,Plg5.0000, Azm133.0000;P -4.5600,Plg65.0000; Azm337.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment rate function

ISC 17 10:51:59.1;0.4,4.22S;0.07;68.18E;0.06,h10km,n288, #132/326,mb4.9/107,MS4.2/80,13C-2D,Chagos Archipelago region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like DGAR Diego Garcia, H08S3 Diego Garcia H, H08S1 Diego Garcia H, etc.

Table with columns: Station, Name, Time, Az, El, P, S, T, R, etc. Includes stations like MDSI, MBAR, CM31, CMAR, CHTO, etc.

Table with columns: Station, Name, Time, Az, El, P, S, T, R, etc. Includes stations like GOMU, TNSS, BOSA, ZHNS, etc.

Table with columns: Station, Name, Time, Az, El, P, S, T, R, etc. Includes stations like BR131, BRTR, BR105, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Kiev, Malin Array Si, LUBAR, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Chichijima, Midelt, GUMO, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WMEI, AKLM, Pen de Vlez, etc.

NEIC 17 10:54:14.9-0.5, 37.08N-0.03-97.36W-0.03,h7km,6km, mb_Lg2.3/9,ML2.5/3, Error ellipse: s-maj=5.2km s-min=1.9km az=212.0, Kansas

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like KAN13, KAN17, KAN01, etc.

IGL 17 10:56:09.2-0.6, 35.18N-3.75W, h0km, mb4.1/16, mbmp4.0/21, ML3.8/5, MS3.4/11, Error ellipse: s-maj=18.5km s-min=12.2km az=105.0

17d 12h

Table with columns: DBIC, AAK, KMBO, KURB, MKAR, MKAR, ZALV, NRUK, TSUM, SONM, LBTB, BOSA, SUR, CMAR, YKA, MA2, ULM, ILAR. Each row contains station name, coordinates, and other data.

AEIC 17 12:13:55.71.1, 64.22N.0.02:149.02W.0.05, h19km, 3km, ML3.7, ML0.7/0.02(NEIC), Error ellipse: s-maj=3.2km s-min=2.5km az=73.0
NEIC 17 12:13:56.31.1, 64.27N.0.02:149.03W.0.05, h17km, Error ellipse: s-maj=3.4km s-min=2.7km az=113.0
ISC 17 12:13:56.0.0.9, 64.25N.0.02:149.03W.0.02, h14km, 7km, n324, o076/315, Central Alaska

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like Browne, Nenana, Wood River Hill, etc.

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Main table with columns: H24K, H24K, RIDG, RIDG, RIDG, H22K, H22K, CUT, CUT, PPLA, PPLA, PRP, PRP, PRP, PRP, J20K, J20K, J20K, J20K, DOT, J26L, J26L, J26L, K20K, K20K, K20K, K20K, I20K, I20K, I20K, SML, SML, GHO, GHO, G23K, G23K, M24K, M24K, M24K, M24K, M23K, SCM, SCM, SKT, SKT, SKT, SKT, G24K, G24K, G24K, G24K, HARP, HARP, M22K, M22K, PMR, PMR, MENT, MENT, I26K, I26K, I26K, H20K, H20K, L26K, L26K, FYU, FYU, L20K, L20K, L20K, KNK, KNK, KNK, G22K, G22K, G22K, J19K, J19K, J19K, SUA, SUA, SUA, G21K, G21K, G21K, M20K, M20K, M20K, M20K, COLD, COLD, STLK, STLK, KLU, KLU, WACK, WACK, RC01, RC01, F24K, F24K, F24K, F24K.

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Main table with columns: N25K, N25K, SPNN, L19K, L19K, SPU, M19K, M19K, M19K, M19K, TTA, TTA, H19K, H19K, H19K, H19K, BCAR, EGAK, EGAK, EGAK, J18K, J18K, J18K, J18K, GLI, GLI, GLI, F21K, F21K, F21K, F21K, CAPN, F25K, F25K, F25K, BMAR, BMAR, H27K, H27K, H27K, M27K, M27K, SLKM, E23K, E23K, E23K, BMRM, BMRM, G19K, G19K, F20K, F20K, V20K, V20K, V20K, V20K, V20K, G27K, G27K, L18K, L18K, I28M, I28M, H18K, H18K, H18K, BVCY, E25K, E25K, E25K, M18K, M18K, M18K, DAWY, DAWY, DAWY, G18K, G18K, TOLK, TOLK, TOLK, K17K, K17K, K17K, F19K, F19K, F19K, J17K, J17K, J17K, E21K, E21K, E21K, E19K, E19K, E19K, L17K, L17K, L17K, H17K, H17K, D23K, D23K, D23K, N18K, N18K, N18K, M17K, M17K, M17K, CNPM, D22K, D22K, D22K, H29M, H29M, H29M, D24K, D24K, D24K, E20K, E20K, E20K, E27K, E27K, E27K, L29M, L29M, L29M, F18K, F18K, F18K.

TXAR	Lg	Lg	13 01 14.8
comp=E,0.4nm,0.3s,baz=286,slow=26,SNR=1.8			
NVAR	Pn	Pn	12 58 57.2 +3.7
comp=E,0.2nm,0.3s,baz=163,slow=14,SNR=27			
NVAR	Lg	Lg	13 01 36.1
baz=138,slow=26			
NVAR	LR	LR	13 02 15.5
comp=E,4um,21.6s,baz=158,slow=36			
SRU	Pn	Pn	12 59 02.1 +2.6
SAND	Pn	Pn	12 59 06.6 +0.3
T25A	Pn	Pn	12 59 14.8 +0.1
baz=290,SNR=8.6			
ELK	Pn	Pn	12 59 17.9 +1.5
ELK	Pn	Pn	12 59 18.2 +1.7
comp=E,0.2nm,0.3s,baz=176,slow=11,SNR=21			
ELK	Lg	Lg	13 02 24.7
baz=27,slow=11,SNR=1.1			
ELK	LR	LR	13 03 41.9
comp=E,6um,19.2s,baz=177,slow=39			
BSUT	Pn	Pn	12 59 20.1 +2.4
ONZA	Pn	Pn	12 59 18.9 +0.6
Blindstream Ca	Pn	Pn	12 59 23.0 -1.5
DRIO	Pn	Pn	12 59 26.3 -0.3
Q24A	Pn	Pn	12 59 33.0 -0.7
baz=221			
JCT	Pn	Pn	12 59 34.1 -0.5
APMT	Pn	Pn	12 59 42.0 -0.6
N23A	Pn	Pn	12 59 51.0 +0.9
comp=E,0.1nm,0.3s,baz=187,slow=10,SNR=18			
PDAR	Lg	Lg	13 03 39.5
baz=206,slow=24,SNR=2.4			
PDAR	LR	LR	13 05 17.2
comp=E,5um,18.9s,baz=190,slow=39			
YBH	Pn	Pn	12 59 52.7 -2.4
YBH	Pn	Pn	12 59 59.0 +3.9
comp=E,0.3nm,0.3s,baz=156,slow=14,SNR=4.1			
YBH	LR	LR	13 05 17.4
comp=E,7um,19.9s,baz=172,slow=37			
TPAW	Pn	Pn	12 59 56.2 -0.3
SNOW	Pn	Pn	12 59 57.6 +1.2
435B	Pn	Pn	12 59 57.7 -2.0
baz=270			
MOOW	Pn	Pn	12 59 59.7 -0.5
CBKS	Pn	Pn	13 00 07.4 -1.2
H77A	IAMB	IAMB	13 00 16.8
MOOSE Ponds	Pn	Pn	13 00 16.7
I07A	IAMB	IAMB	13 00 20.6
comp=Z,69nm,1.5s			
YNM	IAMB	IAMB	13 00 20.4
comp=Z,50nm,1.2s			
BMO	IAMB	IAMB	13 00 18.4 -0.9
BMO	IAMB	IAMB	13 00 20.4
comp=Z,70nm,1.9s			
PLID	P	P	13 00 19.4 -1.1
YNE	IAMB	IAMB	13 00 23.5
Pearl Lake			
DLMT	IAMB	IAMB	13 00 25.6
comp=Z,122nm,1.8s			
RLMT	IAMB	IAMB	13 00 28.8
Red Lodge			
G08A	IAMB	IAMB	13 00 31.8
comp=Z,117nm,1.6s			
H04A	Pn	Pn	13 00 26.3 -0.5
H04A	IAMB	IAMB	13 00 33.0
comp=Z,112nm,1.8s			
G06A	IAMB	IAMB	13 00 34.6
Carlson Farm			
RSSD	P	P	13 00 29.8 -1.8
HOOD	IAMB	IAMB	13 00 40.5
comp=Z,102nm,1.0s			
F07A	IAMB	IAMB	13 00 40.0
Phinny Hill Vi			
MSO	P	P	13 00 38.0 -0.9
KSU1	P	P	13 00 38.5 -0.6
KSU1	IAMB	IAMB	13 00 45.8
comp=Z,109nm,1.6s			
HAWA	IAMB	IAMB	13 00 44.9
Hanford			
BGNE	IAMB	IAMB	13 00 48.6
comp=Z,78nm,1.8s			
D08A	P	P	13 00 45.2 -0.5
L08A	IAMB	IAMB	13 00 57.4
Wollman Farm, LESA Array			
C09A	IAMB	IAMB	13 00 57.8
comp=Z,83nm,1.2s			
X40A	P	P	13 00 54.1 -0.8
EGMT	Pn	Pn	13 01 07.9 +2.1
EGMT	IAMB	IAMB	13 01 02.9
comp=Z,92nm,1.6s			
NEW	IAMB	IAMB	13 01 02.1
Newport			
NEW	P	P	13 00 57.7 +1.1
comp=Z,0.4nm,0.3s,baz=169,slow=12,SNR=20			
NEW	LR	LR	13 08 25.9
comp=Z,3um,19.6s,baz=182,slow=38			
B08A	P	Pn	13 01 02.0 +0.8
ECSD	P	Pn	13 01 08.5 -0.5
ECSD	IAMB	IAMB	13 01 13.2
comp=Z,105nm,1.8s			
CCM	P	P	13 01 16.6 -0.9
MDND	P	P	13 01 23.5 -0.7
F33A	IAMB	IAMB	13 01 30.5
comp=Z,32nm,1.1s			
CMIG	P	P	13 01 27.2 +0.1
CMIG	LR	LR	13 09 59.8
comp=Z,9.5nm,1.0s			
LLL	P	P	13 01 30.2 +1.3
LLL	IAMB	IAMB	13 01 42.4
comp=Z,68nm,1.3s			
I37A	P	P	13 01 29.8 +0.4
N41A	IAMB	IAMB	13 01 48.8
Lemond, Waseca			
SIUC	IAMB	IAMB	13 01 45.5
Harden Midland			
L40A	IAMB	IAMB	13 01 47.9
comp=Z,51nm,1.2s			
WVT	P	P	13 01 43.3 +1.9
LRAL	IAMB	IAMB	13 02 02.2
comp=Z,32nm,1.1s			
I40A	IAMB	IAMB	13 02 01.8
Sewanee			
SWET	IAMB	IAMB	13 02 03.5
comp=Z,16nm,0.9s			
L44A	P	P	13 01 55.6 -1.0
WCCI	P	P	13 01 58.8 +2.0
WCCI	IAMB	IAMB	13 02 04.0
comp=Z,17nm,0.9s			
ULM	P	P	13 01 58.6 -0.1
ULM	P	P	13 01 58.2 -0.5
comp=Z,8.7nm,1.0s,baz=221,slow=11,SNR=13			
ULM	Lg	Lg	13 09 36.4
ULM	LR	LR	13 11 44.0
comp=Z,3um,19.8s,baz=220,slow=37			
BBB	LR	LR	13 11 40.3
comp=Z,4um,19.2s,baz=160,slow=36			
COWI	IAMB	IAMB	13 02 19.8
comp=Z,23nm,1.1s			
O48B	P	P	13 02 03.8 -0.6
baz=255			
TKL	IAMB	IAMB	13 02 29.4
Tuckaleechee C			
TKL	LR	LR	13 13 20.7
comp=Z,3um,20.0s,baz=266,slow=39			
FFC	P	P	13 02 15.0 0.0
P51A	IAMB	IAMB	13 02 25.0
comp=Z,14nm,0.9s			
ACSO	IAMB	IAMB	13 02 30.3
Alum Creek Sta			
KM5C	IAMB	IAMB	13 02 36.6
comp=Z,15nm,1.0s			
O23A	IAMB	IAMB	13 02 36.9
Adamsville			
V35K	P	P	13 02 33.9 +0.6
Ketchikan			

U35K	P	P	13 02 35.1 +1.5
Hyder			
CRAC	P	P	13 02 38.6 0.0
baz=150			
T35M	P	P	13 02 42.0 -0.4
Bob Quinn			
U33K	P	P	13 02 42.9 -0.4
Whale Pass			
WRAK	P	P	13 02 43.6 +0.1
Wrangell Island			
TOAD	P	P	13 02 48.5 +0.9
Toad River Com			
S34M	P	P	13 02 52.1 +0.5
Telegraph Cree			
DLBC	LR	LR	13 15 09.7
Dease Lake			
DLBC	P	P	13 02 53.7 +0.4
comp=Z,6um,18.1s,baz=162,slow=36			
SLC	P	P	13 02 56.8 +0.4
Dease Lake			
KOTAN	P	P	13 02 57.7 +1.0
Kotaneleele Air			
S32K	P	P	13 02 57.8 +0.6
Killisnoo			
SADO	LR	LR	13 15 52.7
Sadova			
Q32M	P	P	13 03 04.0 +1.5
Nakina River			
R33M	P	P	13 03 03.2 +0.4
Jennings River			
R32K	P	P	13 03 04.5 +1.6
Eaglecrest			
WTLY	P	P	13 03 04.0 0.0
Watson Lake, Y			
FCC	IAMB	IAMB	13 03 12.1
Fort Churchill			
S31K	P	P	13 03 06.2 +0.9
Pelican			
R31K	P	P	13 03 08.5 +1.4
City Hall, Gus			
P32M	P	P	13 03 11.6 +1.2
Atlin			
YKA	P	P	13 03 12.6 +1.6
Yellowknife Ar			
YKA	LR	LR	13 17 22.6
comp=Z,3um,18.1s,baz=186,slow=38			
P33M	P	P	13 03 14.3 +1.3
Teslin, Yukon			
SKAG	P	P	13 03 14.1 +0.7
Skagway			
JTS	LR	LR	13 17 38.7
Las Juntas de			
PLBC	P	P	13 03 17.0 +0.8
Pleasant Camp			
N32M	P	P	13 03 20.3 -0.3
Quiet Lake			
WHY	P	P	13 03 21.4 +0.2
Whitehorse			
P29M	P	P	13 03 21.8 +0.7
Windy Craggy			
WRGLY	P	P	13 03 22.6 +0.5
Wrigley			
P30M	P	P	13 03 22.6 +0.2
Million Dollar			
O39M	P	P	13 03 25.2 +0.4
Mendenhall			
O29M	P	P	13 03 28.2 +0.2
Mount Kennedy			
HYT	P	P	13 03 29.1 +0.3
Haines Junctio			
N31M	P	P	13 03 28.3 -0.8
Braun, Yuko			
FARO	P	P	13 03 29.9 +0.6
Faro, Yukon			
M31M	P	P	13 03 31.0 -0.2
Drury Creek, Y			
P1NM	P	P	13 03 31.1 -0.3
Pinnacle			
YUK6	P	P	13 03 31.2 -0.7
Outpost Mounta			
N30M	P	P	13 03 31.3 -0.8
Aishikik Lake			
L61B	P	P	13 03 32.8 -1.2
Northampton			
YUK4	P	P	13 03 35.7 +0.3
Talbot Ar			
O28M	P	P	13 03 35.5 -0.3
Mount Upton			
YUK8	P	P	13 03 37.8 -0.1
Steele Glacier			
M30M	P	P	13 03 39.5 +0.3
Minto, Yukon			
M29M	P	P	13 03 43.1 +0.9
Somme Creek			
YUK3	P	P	13 03 42.7 -0.2
Moore Creek			
KAIM	P	P	13 03 42.1 -0.7
Kayak Island			
L29M	P	P	13 03 45.9 0.0
L29M			
B23K	P	P	13 03 46.6 +0.2
Middleton Isla			
QVCY	P	P	13 03 48.6 +0.6
Beaver Creek			
BMRM	P	P	13 03 49.7 +0.2
Bremner River			
K29M	IAMB	IAMB	13 03 54.4
Barlow Dome			
K29M	P	P	13 03 49.6 -0.1
Barlow Dome			
M27K	P	P	13 03 50.4 +0.1
Edge Creek, AK			
EYAK	P	P	13 03 50.7 +0.1
Cordova Ski Ar			
J30M	P	P	13 03 53.0 +0.6
Hart River			
P23K	P	P	13 03 53.3 +0.3
Montague Islan			
N25K	P	P	13 03 53.7 +0.4
Chitina, Valde			
M26K	P	P	13 03 54.3 +0.8
Nabesna, AK			
L27K	P	P	13 03 55.2 +0.6
Beaver Creek,			
DAWY	IAMB	IAMB	13 03 54.7 -0.9
Dawson			
DAWY	P	P	13 03 55.0 -0.3
comp=Z,32nm,1.5s			
J29N	P	P	13 03 55.9 +0.5
Klondike Camp			
KLU	P	P	13 03 57.2 +0.6
Klutina			
I30M	P	P	13 03 58.4 +1.2
Mount Dempster			
H31M	IAMB	IAMB	13 04 03.5
Peel River			
H31M	P	P	13 03 58.1 +0.4
Peel River			
L26K	P	P	13 03 58.8 +0.6
Log Cabin Wild			
HARP	P	P	13 03 59.6 +0.2
HARP			
SEW	P	P	13 04 01.2 +0.8
Edward			
PWL	P	P	13 04 00.3 -0.3
Port Wells			
M24K	P	P	13 04 00.0 -0.7
Tolson, Glenn			
KDAK	LR	LR	13 17 17.0
Kodiak Island			
KDAK	P	P	13 04 00.8 -0.4
Kodiak Island			
I29M	P	P	13 04 01.8 0.0
Ogilvie Camp,			
SCM	P	P	13 04 02.3 -0.4
Sheep Creek Mo			
SII	P	P	13 04 01.3 -1.5
Sitkinak Islan			
BRSE	P	P	13 04 01.9 -1.3
Bradley Lake S			
O22K	P	P	13 04 02.9 -0.2
Copper Landing			
M23K	P	P	13 04 03.1 -0.5
Glacier River			
PAX	P	P	13 04 03.5 -0.2
Paxson			

KNK	IAMB	IAMB	13 04 11.4
Knik Glacier			
KNK	P	P	13 04 03.9 +0.1
Knik Glacier			
EGAK	P	P	13 04 03.2 -0.7
Eagle			
Q20K	P	P	13 04 04.1 +0.1
Shuyak Island			
SML	P	P	13 04 04.8 -0.7
Sawmill			
SCRK	P	P	13 04 05.3 -0.5
Sand Creek			

17d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Malin Array Si, KIEV, KAN13, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CL12, WEMD, ERRC, etc.

980

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IELAR, Eielson Array, KAN13, etc.

NEIC 17 13:38:40.8, 2.1, 33.16N, 0.02:115.66W, 0.02, h12km, 6km, Error ellipse: s-maj=2.2km s-min=1.9km az=159.0 PAS 17 13:38:40.8, 2.1, 33.16N, 0.02:115.66W, 0.05, h3km, 2.6km

PMR	Palmer	82.97	14	P	P	14 12 51.9	-1.0
PMR	Palmer	82.97	14	P	P	14 12 51.4	-1.4
G08A	Pilot Rock	83.12	38	I	Amb	14 12 56.0	
GH0	Glory Hole Cre	83.17	14	I	Amb	14 12 54.2	
ANM	Nome	83.19	6	P	P	14 12 53.0	-0.9
I18K	Innoko River	83.23	10	P	P	14 12 53.3	-0.9
E07A	Sunnyside	83.33	36	I	Amb	14 12 56.5	
SML	Sawmill	83.34	14	P	P	14 12 53.2	-1.6
HAWA	Hanford	83.42	37	I	Amb	14 12 57.2	
CUT	Chulitna	83.44	13	P	P	14 12 53.8	-1.4
M23K	Glacier View	83.47	14	P	P	14 12 54.6	-0.7
PPLA	Purkeypile	83.50	12	P	P	14 12 54.7	-1.0
BMRM	Bremner River	83.52	16	P	P	14 12 54.2	-1.5
K20K	Telida	83.57	11	P	P	14 12 55.9	0.0
H16K	Elm	83.59	7	P	P	14 12 55.8	-0.1
SCM	Sheep Creek Mo	83.59	14	P	P	14 12 54.9	-1.2
KLU	Klutina	83.64	15	P	P	14 12 55.4	-1.0
G15K	Niukluk	83.74	6	P	P	14 12 55.4	-1.3
S32K	Killsnoo	83.81	22	P	P	14 12 55.8	-1.3
J19K	Poorman	83.90	10	P	P	14 12 56.9	-0.6
J19K	Poorman	83.90	10	P	P	14 12 56.3	-1.1
TNA	Tin City	83.96	4	P	P	14 12 56.8	-0.9
CAST	Castle Rocks	84.00	12	I	Amb	14 12 57.4	
CAST	Castle Rocks	84.00	12	P	P	14 12 56.1	-1.9
F14K	Arctic Creek	84.00	5	P	P	14 12 56.9	-1.0
P1NM	Pinnacle	84.01	18	P	P	14 12 57.0	-1.1
N25K	Chitina, Valde	84.07	16	P	P	14 12 57.3	-1.2
N25K	Chitina, Valde	84.07	16	P	P	14 12 57.2	-1.2
M24K	Tolsona, Glenn	84.11	15	P	P	14 12 57.8	-0.8
GLB	Gilahina Butte	84.13	16	I	Amb	14 12 59.1	
H17K	Granite Mounta	84.16	8	P	P	14 12 57.8	-1.0
G16K	Koyuk River	84.31	7	P	P	14 12 58.9	-0.5
J20K	Nowinta River	84.32	10	P	P	14 12 58.7	-0.8
CHUM	Lake Minchumin	84.38	11	P	P	14 12 58.4	-1.3
TRF	Thorofare Moun	84.38	12	P	P	14 12 58.6	-1.4
F15K	North Star Dit	84.38	6	P	P	14 12 59.2	-0.6
P29M	Windy Craggy	84.41	19	P	P	14 13 00.5	+0.5
GCSA	Galena City Sc	84.41	9	P	P	14 12 59.6	-0.3
U35K	Hyder	84.41	25	P	P	14 12 59.6	-0.5
O28M	Mount Upton	84.57	18	P	P	14 13 00.1	-1.1
H18K	Honhosa River	84.58	8	P	P	14 13 00.1	-0.7
HARP	HARP	84.60	15	P	P	14 13 00.2	-0.8
G17K	Kiwalik Mounta	84.61	7	P	P	14 13 00.8	-0.1
RND	Reindeer	84.64	13	I	Amb	14 13 01.4	
B08A	Colville Reser	84.66	35	I	Amb	14 13 02.5	
O29M	Mount Kennedy	84.68	19	P	P	14 13 00.9	-0.6
PLBC	Pleasant Camp	84.71	20	P	P	14 13 01.0	-0.5
MCK	McKinley	84.91	13	P	P	14 13 01.3	-1.1
O09A	Chrisman Ranch	84.93	36	I	Amb	14 13 04.2	
PAX	Paxson	85.02	14	P	P	14 13 02.7	-0.3
P30M	Million Dollar	85.04	19	P	P	14 13 02.3	-0.9
SKAG	Skagway	85.06	21	P	P	14 13 02.4	-0.8
YU0K	Steele Glacier	85.11	18	P	P	14 13 02.9	-0.9
M26K	Nabesna, AK	85.16	16	P	P	14 13 02.4	-1.2
H19K	Roundabout Mou	85.20	9	P	P	14 13 03.5	-0.2
G18K	Tagagawik	85.24	8	P	P	14 13 03.4	-0.6
YU6K	Outpost Mounta	85.25	18	P	P	14 13 04.0	-0.4
SURU	San Rafael Swe	85.30	46	P	P	14 13 04.2	-0.9
YU3K	Moose Creek	85.31	17	P	P	14 13 04.0	-0.7
S34M	Telegraph Cree	85.40	23	I	Amb	14 13 06.6	
S34M	Telegraph Cree	85.40	23	P	P	14 13 04.3	-0.5
M27K	Edge Creek, AK	85.40	16	P	P	14 13 04.3	-0.7
H20K	Anotleneega Mo	85.41	10	P	P	14 13 04.5	-0.3
HYT	Haines Junctio	85.42	19	P	P	14 13 04.7	-0.4
F17K	Baldwin Pennin	85.45	7	P	P	14 13 04.5	-0.4
YUKA	Talbot Arr	85.48	18	P	P	14 13 05.6	+0.1
L26K	Log Cabin Wild	85.58	15	P	P	14 13 05.7	0.0
I21K	Tanana	85.62	11	P	P	14 13 05.3	-0.4
NEA2	Nenana	85.64	12	P	P	14 13 05.2	-0.7
K24K	Donnelly Dome	85.66	14	P	P	14 13 05.2	-0.9
G19K	Purcell Mounta	85.69	9	P	P	14 13 05.8	-0.3
P32M	Atlin	85.70	21	P	P	14 13 05.5	-0.8
BVCY	Beaver Creek	85.72	17	P	P	14 13 05.8	-0.6
Q32M	Nakina River	85.74	22	P	P	14 13 06.0	-0.7
WHRN	Van Horn	85.76	56	I	Amb	14 13 10.5	
F18K	Selawik	85.79	7	P	P	14 13 06.6	+0.2
O30N	Mendenhall	85.81	19	P	P	14 13 06.1	-0.8
RIDG	Independent Ri	85.82	14	P	P	14 13 06.1	-0.8
H21K	Melozitna Rive	85.91	10	P	P	14 13 07.2	0.0
HDA	Harding Lake	85.92	13	I	Amb	14 13 07.1	
HDA	Harding Lake	85.92	13	P	P	14 13 06.8	-0.5
CCB	Clear Creek Bu	85.95	13	I	Amb	14 13 06.8	
L27K	Beaver Creek,	86.00	16	P	P	14 13 06.5	-1.1
E17K	Hotham Inlet	86.00	6	P	P	14 13 07.3	-0.2
N30M	Aishkik Lake	86.04	19	P	P	14 13 07.7	-0.2

I23K	Minto, Yukon-K	86.08	12	P	P	14 13 07.2	-0.7
WHY	Whitehorse	86.11	20	P	P	14 13 07.6	-0.8
COLA	College	86.14	13	P	P	14 13 07.5	-0.6
DLBC	Dease Lake	86.18	23	P	P	14 13 07.8	-0.9
TXAR	Lajas Array	86.22	58	P	P	14 13 11.8	+2.2
SC9K	Sand Creek	86.23	14	P	P	14 13 07.9	-0.9
F19K	Sharruck Mo	86.25	8	P	P	14 13 07.9	-0.8
IL31	Elison Array	86.25	13	P	P	14 13 07.5	-1.2
ILAR	Elison Array	86.25	13	P	P	14 13 07.5	-1.2
ILAR	Elison Array	86.25	13	P	P	14 30 59.8	+1.0
H22K	delatitna Cre	86.37	11	P	P	14 13 08.4	-0.9
M29M	Somme Creek	86.41	17	P	P	14 13 08.7	-1.0
POKR	Polk Plat Res	86.44	13	P	P	14 13 08.8	-0.8
J25K	Salcha River,	86.45	14	P	P	14 13 09.7	-0.1
N31M	Braeburn, Yuko	86.46	19	P	P	14 13 09.5	-0.3
E18K	Tukpahleark C	86.46	7	P	P	14 13 08.8	-0.9
P33M	Teslin, Yukon	86.46	21	P	P	14 13 09.6	-0.4
D17K	Noatak River	86.47	6	P	P	14 13 09.6	-0.1
R33M	Jennings River	86.52	22	P	P	14 13 09.9	-0.4
G21K	Allakaket	86.58	10	P	P	14 13 09.7	-0.5
F20K	Avaraat Lake	86.73	9	P	P	14 13 10.5	-0.5
J26L	Joseph Creek	86.77	14	P	P	14 13 11.2	-0.2
RDGL	Red Dog Mine	86.83	6	P	P	14 13 11.8	+0.3
C16K	Lisburne Hills	86.83	5	P	P	14 13 10.6	-0.8
E19K	Redstone River	86.91	8	P	P	14 13 11.6	-0.2
DLMT	Dillon	86.96	40	I	Amb	14 13 14.7	
M30M	Minto, Yukon	87.00	18	I	Amb	14 13 13.1	
M30M	Minto, Yukon	87.00	18	P	P	14 13 11.4	-1.0
L29M	L29M	87.03	17	P	P	14 13 11.7	-0.9
PRP	Porcupine Dome	87.19	13	P	P	14 13 12.3	-1.0
C17K	Delong Mountai	87.22	6	P	P	14 13 12.5	-0.7
F21K	Alatina River	87.23	9	P	P	14 13 12.9	-0.5
G22K	Bettles	87.28	10	P	P	14 13 12.9	-0.6
O20A	White River Ci	87.33	46	I	Amb	14 13 16.9	
G23K	Bananza Creek	87.35	11	P	P	14 13 13.4	-0.5
M31M	Drury Creek, Y	87.43	19	P	P	14 13 13.6	-0.8
DAWY	Dawson	87.45	16	P	P	14 13 14.2	-0.3
HWC	Dawson	87.45	16	P	P	14 13 14.2	-0.3
DHY	Hu-ho-hao-te	87.50	314	eP	P	14 13 15.9	+0.5
HHC	HHC	87.50	314	eP	P	14 13 15.9	+0.5
HHC	HHC	87.50	314	eP	P	14 13 15.9	+0.5
FLWY	Flagg Ranch	87.53	42	I	Amb	14 13 17.9	
YHB	Horse Butte	87.53	41	I	Amb	14 13 17.6	
I26K	Coal Creek Min	87.54	14	P	P	14 13 14.1	-0.7
EGAK	Eagle	87.58	15	I	Amb	14 13 15.5	
EGAK	Eagle	87.58	15	P	P	14 13 14.7	-0.3
C18K	Utukok River	87.58	6	P	P	14 13 14.4	-0.6
YHL	Heblan Lake	87.59	41	I	Amb	14 13 18.5	
YFT	Old Faithful	87.61	42	I	Amb	14 13 19.2	
YMR	Madison River	87.64	41	I	Amb	14 13 18.7	
PD31	Pinedale Array	87.64	43	I	Amb	14 13 17.5	
PDAR	Pinedale Array	87.64	43	P	P	14 13 16.5	+0.4
SAND	Sanderson	87.70	58	I	Amb	14 13 18.6	
H17A	Grant Village	87.75	42	I	Amb	14 13 19.8	
D19K	Kuna River	87.78	7	P	P	14 13 15.7	-0.2
K29M	Barlow Dome	87.78	17	P	P	14 13 15.6	-0.5
FARO	Faro, Yukon	87.78	19	P	P	14 13 15.8	-0.2
COLD	Coldfoot	87.78	11	P	P	14 13 15.8	-0.1
E20K	Nigu River	87.80	8	P	P	14 13 15.7	-0.4
WTLY	Watson Lake, Y	87.81	22	P	P	14 13 15.8	-0.4
G24K	Geacenzic Riv	87.82	12	P	P	14 13 15.7	-0.4
MAYO	Mayo, Yukon	88.05	18	P	P	14 13 16.9	-0.3
J29N	Klondike Camp	88.07	16	I	Amb	14 13 18.6	
J29N	Klondike Camp	88.07	16	P	P	14 13 17.2	-0.2
I27K	Kandik River	88.15	14	P	P	14 13 17.0	-0.7
BSI	Banda Aceh	88.16	276	P	P	14 13 16.7	-2.2
D20K	Etiwuk River	88.17	8	P	P	14 13 17.2	-0.6
B18K	Kokolik River	88.21	6	P	P	14 13 17.7	-0.1
E21K	Killik River	88.28	9	P	P	14 13 17.4	-0.8
TOAD	Toad River Com	88.31	25	P	P	14 13 18.4	-0.1
E22K	Anaktuvuk Pass	88.33	10	P	P	14 13 18.0	-0.5
YNE	Yellowstone No	88.40	41	I	Amb	14 13 21.5	
I28M	Milner Creek	88.43	15	P	P	14 13 18.2	-0.9
F24K	Squaw Lake	88.46	11	P	P	14 13 18.9	-0.2
E23K	Chant Village	88.63	10	P	P	14 13 19.2	-0.7
J30M	Hart River	88.68	17	P	P	14 13 19.8	-0.5
H27K	Steamboat Moun	88.69	14	P	P	14 13 20.0	-0.1
I29M	Ogilvie Camp,	88.77	16	P	P	14 13 20.6	+0.1
T25A	Trinidad	88.77	50	P	P	14 13 20.1	-1.4
G26K	Porcupine Rive	88.79	13	P	P	14 13 20.5	0.0
ELIB	Princess Elisa	88.79	187	eP	P	14 13 21.7	+0.8
C21K	Kneifedle Rid	88.83	8	P	P	14 13 20.5	-0.2
E24K	Your Creek	88.84	11	P	P	14 13 20.8	-0.1
OZNA	Ozona	88.86	57	I	Amb	14 13 23.9	

D22K	Aiyikyak River	88.88	9	P	P	14 13 21.2	+0.2
F25K	Christian River	88.95	12	P	P	14 13 21.6	+0.2
CMAR	Chinai Mai Arr	88.97	290	P	P	14 13 22.8	+0.2
A19K	Wainwright	89.09	6	P	P	14 13 22.0	+0.1
G27K	Doyon Strip	89.14	14	P			

17d 15h

Table of flight data for 17d 15h, including columns for flight number, destination, time, status, and other details. Rows include ASAR, BATI, LUWI, MMRI, etc.

2019 JAN

Table of flight data for 2019 JAN, including columns for flight number, destination, time, status, and other details. Rows include FORT, ARPS, MSVF, etc.

986

Table of flight data for 986, including columns for flight number, destination, time, status, and other details. Rows include AUALB, RKGY, GZH, etc.

BKNI	Bangkinang	45.51 274	P	P	15 14 59.0 +2.6
MRZ	Mangatainoka R	45.56 149	P	I Amb	15 14 54.6 -1.7
MRZ	comp=Z,102nm,1.1s		I AMs_20	I AMs_20	15 31 31.7
MRZ	comp=Z,21µm,20.0s				
MRZ	Mangatainoka R	45.56 149	P	P	15 14 58.3 +2.0
LTZ	Lake Taylor	45.58 153	P	I Amb	15 14 54.8 -1.7
LTZ	comp=Z,85nm,1.3s		I AMs_20	I AMs_20	15 15 11.7
LTZ	comp=Z,21µm,22.0s				
DCZ	Deep Cove	45.78 160	P	I Amb	15 14 56.1 -1.8
DCZ	comp=Z,65nm,1.0s		I Amb	I Amb	15 15 17.8
RPZ	Rata Peaks	45.80 155	P	I Amb	15 14 56.9 -1.3
RPZ	comp=Z,56nm,1.0s		I Amb	I Amb	15 15 14.4
RPZ	Rata Peaks	45.80 155	LR	LR	15 34 60.0
KHZ	Kahutara	45.88 152	I AMs_20	I AMs_20	15 33 57.8
OXZ	Oxford	45.91 154	I AMs_20	I AMs_20	15 33 50.5
BFZ	Birch Farm	45.93 148	P	I Amb	15 14 58.0 -1.2
BFZ	comp=Z,19µm,18.1s,baz=326,slow=37		I Amb	I Amb	15 15 28.9
BFZ	comp=Z,61nm,1.1s		I AMs_20	I AMs_20	15 33 07.3
BFZ	Birch Farm	45.93 148	P	P	15 15 03.2 +4.0
MSWZ	Moikau Station	45.95 150	P	P	15 14 57.7 -1.7
LBZ	Lake Benmore	46.00 156	P	P	15 14 58.1 -1.6
MLZ	Mavora Lakes	46.04 159	P	I AMs_20	15 14 57.4 -2.7
GVZ	Greta Valley S	46.07 153	I AMs_20	I AMs_20	15 32 12.9
PPI	Padang Panjang	46.09 272	P	P	15 15 00.6 -0.3
PYAG	Pyongyang	46.23 338	P	S	15 15 02.9 +1.3
PYAG	comp=Z,568nm,3.1s		S	AmB	15 21 49.0 +1.8
PYAG	comp=Z,8µm,19.9s		AMS	AMS	
PYZ	Puyssegur Point	46.23 161	P	P	15 15 00.9 -0.6
WHZ	Wether Hill Ro	46.43 159	P	I Amb	15 15 01.6 -1.5
WHZ	comp=Z,43nm,1.0s		I Amb	I Amb	15 15 13.9
MOZ	McQueen's Vall	46.48 154	I AMs_20	I AMs_20	15 34 35.7
KULM	Kulim	46.52 280	P	I Amb	15 15 01.8 -2.5
KULM	comp=Z,15µm,18.0s		P	I Amb	15 15 28.6
KULM	Kulim	46.52 280	P	P	15 15 03.8 -0.5
KULM	comp=Z,65nm,1.3s		P	P	15 15 04.4 +0.1
YUK	Yuzh-Kuril'sk	47.09 359	eP	P	15 15 21.2 +1.3
YUK	comp=Z,19µm,22.0s		S	S	15 16 54.9
YUK	comp=Z,722nm,1.2s		S	pmax	15 22 06.4 +7.1
ASAJ	Asahikawa	47.30 356	P	P	15 15 09.4 -0.4
ASAJ	comp=Z,14nm,1.0s,baz=186,slow=6.0,SNR=9.5		LR	LR	15 37 21.6
ASAJ	comp=Z,3µm,18.0s,baz=174,slow=39		LR	LR	
ASAJ	comp=Z,14nm,1.0s				
ASAJ	Asahikawa	47.30 356	P	P	15 15 08.3 -1.5
ASAJ	comp=Z,151nm,1.1s		P	pmax	
JKA	Kamikawa-asahi	47.30 356	P	P	15 15 08.3 -1.5
SISI	Saibi	47.34 271	P	P	15 15 14.5 +3.8
SUJ	Sinuju	47.63 337	P	S	15 15 13.0 +0.6
SUJ	comp=Z,1µm,comp=Z,86nm,1.2s		S	S	15 22 09.0 +2.0
SUJ	comp=Z,704nm,2.5s		AmB	AmB	
SUJ	AMS	AMS	AMS	AMS	
DL2	Dalian	47.80 334	P	P	15 15 11.9 -2.0
DL2	comp=Z,9µm,16.8s		pP	sP	15 15 20.9 -0.8
DL2	comp=Z,52nm,1.3s		PP	PP	15 17 04.9 -1.0
DL2	comp=Z,740nm,8.5s		S	S	15 22 11.1 +1.4
DL2	comp=Z,12µm,19.2s		S	pmax	
DL2	comp=Z,6µm,19.4s		pmax	pmax	
DL2	comp=Z,12µm,19.2s		LR	LR	
DL2	comp=Z,6µm,19.4s		LR	LR	
DL2	comp=Z,18µm,19.6s		LR	LR	
JOHN	Johnston Islan	47.81 64	I AMs_20	I AMs_20	15 34 22.7
PSI	Prapat	47.87 277	P	P	15 15 13.8 -1.1
PSI	comp=Z,22nm,0.9s,baz=148,slow=2.7,SNR=10		comp=Z,22nm,0.9s	comp=Z,22nm,0.9s	
TIA	Taian	47.88 328	P	P	15 15 14.4 -0.1
TIA	comp=Z,33nm,1.2s		pmax	pmax	
TIA	comp=Z,480nm,3.8s		LR	LR	
TIA	comp=Z,14µm,23.3s		LR	LR	
TIA	comp=Z,9µm,20.0s		LR	LR	
VLA	Vladivostok	48.01 346	i P	P	15 15 16.6 +1.2
VLA	comp=Z,132nm,1.3s		P	pmax	
GYA	Guiyang	48.49 310	i P	P	15 15 21.4 +1.9
GYA	comp=Z,8µm,22.7s		pP	pP	15 15 22.9 -2.4
GYA	comp=Z,8µm,23.8s		S	S	15 22 23.3 +3.3
GYA	comp=Z,16nm,0.9s		SS	SS	15 25 49.3 -0.9
GYA	comp=Z,8µm,23.8s		LR	LR	
GYA	comp=Z,8µm,23.8s		LR	LR	
GYA	comp=Z,15µm,25.4s		LR	LR	
ENH	Enshi	48.56 316	P	I Amb	15 15 17.4 -2.5
ENH	comp=Z,92nm,1.3s		I AMs_20	I AMs_20	15 32 24.7
ENH	Enshi	48.56 316	P	P	15 15 23.4 +3.5
USA0B	Ussuriysk Arra	49.00 346	P	I Amb	15 15 22.3 -0.7
USA0B	comp=Z,46nm,0.8s		I Amb	I Amb	15 15 40.8
USA0B	Ussuriysk Arra	49.00 346	i P	P	15 15 23.4 +0.4
USRK	Ussuriysk Ar.	49.00 346	P	P	15 15 22.2 -0.8
USRK	comp=Z,17nm,0.7s,baz=175,slow=7.6,SNR=20		LR	LR	15 33 03.1
USRK	comp=Z,3µm,21.3s,baz=155,slow=32				
GSI	Gunungsitoli	49.05 275	P	P	15 15 20.2 -3.7
GSI	comp=Z,17nm,0.7s		P	P	15 15 24.7 +0.8
GSI	Gunungsitoli	49.05 275	P	P	15 15 22.8 -1.1
GSI	comp=Z,2µm,comp=Z,153nm,1.3s				
GSI	Gunungsitoli	49.05 275	i P	P	15 15 22.8 -1.1
KCSI	Kotacane, Aceh	49.10 277	P	P	15 15 33.7 +9.4
LYN	LuoYang	49.35 323	P	S	15 15 26.9 +1.1
LYN	comp=Z,3µm,21.3s,baz=155,slow=32		sS	sS	15 22 47.8 +6.9
LYN	comp=Z,32nm,1.5s		pmax	pmax	
LYN	comp=Z,760nm,4.0s		LR	LR	
LYN	comp=Z,32µm,20.3s		LR	LR	
LYN	comp=Z,18µm,21.6s		LR	LR	
LYN	comp=Z,48µm,21.6s		LR	LR	
SNY	Shenyang	49.46 338	i P	P	15 15 28.3 +1.7
SNY	comp=Z,72nm,1.9s		S	pmax	15 22 35.0 +2.1
SNY	comp=Z,830nm,3.9s		pmax	pmax	
SNY	comp=Z,4µm,21.4s		LR	LR	
SNY	comp=Z,6µm,20.6s		LR	LR	

MDJ	Mudanjiang	50.00 344	P	P	15 15 27.6 -3.0
MDJ	comp=Z,12µm,21.4s		ScS	ScS	15 25 20.8 -0.3
MDJ	comp=Z,620nm,6.2s		P	pmax	
MDJ	comp=Z,4µm,17.2s		LR	LR	
MDJ	comp=Z,3µm,13.1s		LR	LR	
MDJ	comp=Z,7µm,15.8s		LR	LR	
MDJ	Mudanjiang	50.00 344	P	P	15 15 32.6 +2.0
MDJ	comp=Z,51nm,1.9s		P	P	15 15 37.2 +5.7
SRDT	SRDIT	50.05 292	P	P	15 15 31.1 -0.1
HNS	HongShan	50.06 327	i P	P	15 15 54.3 +3.5
HNS	comp=Z,33nm,1.5s		PcP	PcP	15 22 41.8 +0.4
HNS	comp=Z,6µm,22.2s		S	pmax	
HNS	comp=Z,12µm,20.4s		LR	LR	
HNS	comp=Z,17µm,20.4s		LR	LR	
YSS	Yuzhno-Sakhal	50.11 357	P	P	15 15 31.6 +0.1
YSS	comp=Z,51nm,1.9s		P	P	15 15 36.1 +4.7
YSS	Yuzhno-Sakhal	50.11 357	P	P	15 15 34.3 +3.1
YSS	comp=Z,50nm,1.1s		eP	P	15 22 43.0 +1.1
YSS	comp=Z,900nm,4.5s		eS	SS	15 26 10.0 -5.5
YSS	comp=Z,3µm,19.0s		eSS	SSS	15 27 43.0
YSS	comp=N,2µm,16.0s		pmax	pmax	
YSS	comp=Z,3µm,19.0s		MLR	MLR	
YSS	comp=N,2µm,16.0s		MLR	MLR	
YSS	comp=Z,3µm,19.0s		MLR	MLR	
PHRA	Phrae	50.37 297	P	P	15 15 33.6 -0.3
SNSI	Sinabang, Aceh	50.40 276	P	P	15 15 43.4 +9.2
CN2	Changchun	50.52 340	eP	P	15 15 38.5 +3.9
CN2	comp=E,20nm,1.2s		pmax	pmax	15 22 47.9 +0.3
CN2	comp=E,300nm,4.0s		pmax	pmax	
CN2	comp=E,9µm,18.6s		LR	LR	
CN2	comp=E,6µm,18.6s		LR	LR	
CN2	comp=E,10µm,18.1s		LR	LR	
MLSJ	Meulaboh, Aceh	50.55 278	P	P	15 15 35.7 +0.3
KMI	Kuning	50.92 306	i P	P	15 15 40.5 +2.3
KMI	comp=E,54nm,1.3s		LR	LR	
KMI	comp=E,5µm,19.7s		LR	LR	
KMI	comp=E,6µm,25.3s		LR	LR	
KMI	comp=E,13µm,30.2s		LR	LR	
XAN	Xian	51.24 320	i P	P	15 15 40.8 +0.5
XAN	comp=E,31nm,2.1s		pP	pP	15 15 45.3 -0.8
XAN	comp=E,1µm,7.0s		S	S	15 23 00.4 +2.3
XAN	comp=E,9µm,18.5s		pmax	pmax	
XAN	comp=E,6µm,17.9s		LR	LR	
XAN	comp=E,16µm,18.0s		LR	LR	
BJT	Baijiatou	51.25 330	P	P	15 15 42.4 +2.2
BJI	Beijing	51.26 330	P	P	15 15 40.8 +0.5
BJI	comp=E,26nm,2.2s		S	S	15 22 58.0 -0.1
BJI	comp=E,340nm,3.7s		pmax	pmax	
BJI	comp=E,4µm,20.5s		LR	LR	
BJI	comp=E,5µm,19.0s		LR	LR	
BJI	comp=E,6µm,20.9s		LR	LR	
CM31	Chiang Mai Arr	51.50 297	P	I Amb	15 15 40.4 -2.1
CM31	comp=Z,100nm,1.1s		I Amb	I Amb	15 15 55.9
CMAR	Chiang Mai Arr	51.50 297	P	P	15 15 41.6 -0.8
CMAR	comp=Z,17nm,0.8s,baz=121,slow=6.2,SNR=49		LR	LR	15 38 39.0
CMAR	comp=Z,3µm,18.5s,baz=110,slow=38		LR	LR	
CMAR	comp=Z,0.3nm,0.3s,baz=299,slow=2.2,SNR=0.9		P	P	15 46 23.7 +0.7
CMAR	comp=Z,17nm,0.8s		P	P	
TIY	Taiyuan	51.54 326	eP	P	15 15 44.6 +2.1
TIY	comp=Z,230nm,3.9s		S	SS	15 23 02.0 -0.3
TIY	comp=Z,7µm,22.0s		SS	SS	15 28 34.1 -4.6
TIY	comp=Z,8µm,23.4s		pmax	pmax	
TIY	comp=Z,8µm,23.4s		LR	LR	
TIY	comp=Z,8µm,23.4s		LR	LR	
TIY	comp=Z,13µm,23.4s		LR	LR	
CHTO	Chiang Mai	51.62 297	P	I Amb	15 15 42.3 -1.0
CHTO	comp=Z,105nm,1.3s		I Amb	I Amb	15 15 56.5
CHTO	Chiang Mai	51.62 297	P	P	15 15 42.3 -1.0
CHTO	comp=Z,105nm,1.3s		pmax	pmax	
BNX	BinXian	51.64 343	i P	P	15 15 41.8 -1.2
BNX	comp=Z,93nm,1.4s		S	S	15 23 04.4 +1.2
BNX	comp=Z,4µm,19.0s		sS	sS	15 23 08.8 -1.4
BNX	comp=Z,4µm,19.0s		pmax	pmax	
BNX	comp=Z,4µm,19.8s		LR	LR	
BNX	comp=Z,6µm,18.4s		LR	LR	
BSI	Banda Aceh	51.81 280	P	P	15 15 52.4 +7.5
UGL	Ulgorsk	52.27 356	i P	P	15 23 13.9 +0.1
UGL	comp=Z,100nm,1.2s		eS	S	15 23 11.5 -0.1
UGL	comp=E,4µm,18.0s		pmax	pmax	
UGL	comp=N,2µm,15.0s		smax	smax	
UGL	comp=E,2µm,20.0s		MLR	MLR	
UGL	comp=N,2µm,7.0s		MLR	MLR	
UGL	comp=Z,3µm,16.0s		MLR	MLR	
PZH	PanZhiHua	52.35 307	P	P	15 15 49.9 +1.1
PZH	comp=Z,30nm,1.4s		S	SS	15 26 48.1 -3.8
PZH	comp=Z,410nm,6.9s		SS	SS	
PZH	comp=Z,5µm,20.1s		pmax	pmax	
PZH	comp=Z,5µm,19.6s		LR	LR	
PZH	comp=Z,9µm,21.6s		LR	LR	
CD2	Chengdu	52.99 313	P	P	15 15 52.0 -1.4
CD2	comp=Z,50nm,0.9s		S	SS	15 23 21.9 -0.4
CD2	comp=Z,460nm,5.3s		SS	SS	15 26 58.6 -3.2
CD2	comp=Z,50nm,0.9s		pmax	pmax	
CD2	comp=Z,460nm,5.3s		LR	LR	

CD2	comp=Z,13µm,21.2s		LR	LR	
CD2	comp=Z,11µm,24.7s		LR	LR	
KLR	Kul'dur	53.82 348	P	P	15 15 58.8 -0.3
KLR	comp=Z,5.5nm,0.8s,baz=168,slow=6.8,SNR=9.6		LR	LR	15 35 10.7
KLR	Kul'dur	53.82 348	i P	P	15 15 58.0 -1.0
KLR	comp=Z,84nm,1.5s		pmax	pmax	
TYV	Tymovskoe	54.02 357	eP	P	15 16 03.6 +3.2
TYV	comp=Z,500nm,3.8s		eS	S	15 23 36.0 +0.6
TYV	comp=Z,32nm,1.1s		pmax	pmax	

N19K	Bonanza Creek	78.34	25	I	Amb	15 19 01.5
N19K	comp-Z,61nm,1.2s					
N19K	comp-Z,7,10m,20.0s					
N19K	Bonanza Creek	78.34	25	P	P	15 18 38.8 +2.3
H17K	Granite Mounta	78.42	20	I	Amb	15 18 52.2
H17K	comp-Z,52nm,1.1s					
H17K	Granite Mounta	78.42	20	P	P	15 18 38.1 +1.4
G17K	Kiwalik Mounta	78.49	20	P	P	15 18 37.9 +0.8
KURK	Kurchatov	78.70	323	P	P	15 18 36.2 -2.4
KURK	comp-Z,91nm,1.2s					
KURK	Kurchatov	78.70	323	I	Amb	15 18 47.5
KURK	comp-Z,9,21m,21.0s					
KURK	Kurchatov	78.70	323	P	P	15 18 37.9 -0.7
KURK	comp-Z,99nm,1.3s					
KURBB	Kurchatov Arra	78.72	323	P	P	15 18 38.5 -0.2
KURBB	comp-Z,21nm,1.0s,baz=109,slow=4.9,SNR=35					
C16K	Lisburne Hills	78.75	16	I	Amb	15 47 27.6
C16K	comp-Z,8,20m,22.0s					
C16K	Lisburne Hills	78.75	16	P	P	15 48 40.0 +1.5
TTA	Tatalina	78.77	23	P	P	15 18 39.1 +0.3
TTA	comp-Z,21nm,1.0s					
TTA	Tatalina	78.77	23	P	P	15 18 39.5 +0.7
TTA	comp-Z,239					
TTA	Tatalina	78.77	23	P	P	15 18 39.1 +0.3
J18K	Inokov River	78.78	23	P	P	15 18 38.7 -0.1
O20K	Slope Mountain	78.81	27	P	P	15 18 39.2 +0.1
O20K	comp-Z,243					
F17K	Baldwin Pennin	78.85	19	I	Amb	15 18 53.8
F17K	comp-Z,52nm,1.1s					
F17K	Baldwin Pennin	78.85	19	P	P	15 18 59.3
F17K	comp-Z,9,21m,21.0s					
F17K	Baldwin Pennin	78.85	19	P	P	15 18 39.6 +0.6
L19K	White Mountain	78.86	24	I	Amb	15 48 23.9
L19K	comp-Z,234					
L19K	White Mountain	78.86	24	P	P	15 48 39.4 +0.2
L19K	comp-Z,10,20m,22.0s					
M19K	Big River Lodg	78.91	24	P	P	15 18 39.8 +0.2
M19K	comp-Z,61nm,1.1s					
M19K	Big River Lodg	78.91	24	I	Amb	15 18 54.6
M19K	comp-Z,21,10m,20.0s					
M19K	Big River Lodg	78.91	24	P	P	15 18 54.6
FRU1	Bishkek	78.98	315	I	Amb	15 52 51.2
FRU1	comp-Z,11,21m,21.0s					
FRU1	Ala-Archa	79.04	314	eP	MLR	15 18 41.2 +0.3
AAK	Ala-Archa	79.04	314	eP	MLR	15 18 41.2 +0.3
D17K	Noatak River	79.04	17	P	P	15 18 40.7 +0.6
D17K	comp-Z,12,21m,22.0s					
E17K	Hotnam Inlet	79.05	18	P	P	15 18 40.4 +0.3
E17K	comp-Z,233,SNR=30					
HOM	Homer	79.06	27	P	P	15 18 39.2 -1.2
HOM	comp-Z,244					
H18K	Hornhosa River	79.08	21	I	Amb	15 51 06.6
H18K	comp-Z,21,10m,20.0s					
CNPM	China Poot	79.19	27	P	P	15 18 41.2 +0.1
CNPM	comp-Z,10,20m,20.0s					
CNPM	China Poot	79.19	27	P	P	15 18 57.8
RD0G	Red Dog Mine	79.31	17	I	Amb	15 18 55.0
RD0G	comp-Z,7,6nm,1.2s					
RD0G	Red Dog Mine	79.31	17	P	P	15 18 55.0
RD0G	comp-Z,9,21m,21.0s					
RD0G	Red Dog Mine	79.31	17	P	P	15 18 42.4 +0.8
G18K	Tagagawik	79.39	20	P	P	15 18 43.0 +0.9
G18K	comp-Z,232,SNR=9.7					
G18K	Tagagawik	79.39	20	P	P	15 18 43.0 +0.9
G18K	comp-Z,9,21m,20.0s					
G18K	Tagagawik	79.39	20	P	P	15 18 42.6 +0.5
G18K	comp-Z,236					
GCSA	Galena City Sc	79.39	21	P	P	15 18 41.5 -0.5
GCSA	comp-Z,238,SNR=15					
L20K	Farewell, AK	79.40	24	P	P	15 18 42.4 +0.1
L20K	comp-Z,241					
M20K	Styx River	79.43	25	I	Amb	15 19 14.6
M20K	comp-Z,98nm,1.2s					
M20K	Styx River	79.43	25	I	Amb	15 19 32.9
M20K	comp-Z,9,21m,21.0s					
M20K	Styx River	79.43	25	I	Amb	15 19 32.9
BRLK	Bradley Lake	79.45	27	I	Amb	15 50 53.4
BRLK	comp-Z,7,21m,20.0s					
F18K	Selawik	79.46	19	P	P	15 18 42.9 +0.6
F18K	comp-Z,235					
J19K	Poorman	79.47	22	P	P	15 18 42.3 -0.2
J19K	comp-Z,235					
J19K	Poorman	79.47	22	P	P	15 18 42.7 +0.2
J19K	comp-Z,240					
SPCR	Spurr Chakacha	79.50	26	P	P	15 18 40.5 -2.4
SPCR	comp-Z,243					
BRSE	Bradley Lake S	79.51	27	P	P	15 18 41.9 -1.0
BRSE	comp-Z,245					
E18K	Tukpahleark C	79.63	18	I	Amb	15 47 58.0
E18K	comp-Z,8,21m,22.0s					
E18K	Tukpahleark C	79.63	18	P	P	15 18 43.1 -0.3
E18K	comp-Z,234					
K20K	Telida	79.75	23	I	Amb	15 49 02.4
K20K	comp-Z,9,21m,21.0s					
K20K	Telida	79.75	23	P	P	15 18 44.5 +0.4
K20K	comp-Z,241,SNR=6.7					
CAPN	Captain Cook N	79.77	26	I	Amb	15 49 30.1
CAPN	comp-Z,6,20m,20.0s					
CAPN	Captain Cook N	79.77	26	P	P	15 18 44.4 +0.2
CAPN	comp-Z,244					
STLK	Strandline Lak	79.80	25	P	P	15 18 43.6 -0.9
H19K	Roundabout Mou	79.96	21	I	Amb	15 19 00.4
H19K	comp-Z,71nm,1.1s					
BTLs	Baital	79.97	317	eP	P	15 18 45.3 -0.3
BTLs	comp-Z,232,SNR=9.7					
BTLs	Baital	79.97	317	eP	P	15 18 45.4 -0.3
G19K	Purcell Mounta	80.07	20	I	Amb	15 49 39.6
G19K	comp-Z,80nm,1.2s					
G19K	Purcell Mounta	80.07	20	P	P	15 48 47.3 +1.6
G19K	comp-Z,10,20m,20.0s					
G19K	Purcell Mounta	80.07	20	P	P	15 48 53.2
SLKM	Skilak Lake	80.07	27	I	Amb	15 51 18.2
SLKM	comp-Z,91nm,1.2s					
SLKM	Skilak Lake	80.07	27	I	Amb	15 51 18.2
J20K	Nowinta River	80.12	23	P	P	15 18 46.1 0.0
J20K	comp-Z,6,20m,20.0s					
J20K	Nowinta River	80.12	23	P	P	15 18 46.1 0.0
J20K	comp-Z,129nm,1.6s					
J20K	Nowinta River	80.12	23	P	P	15 18 47.1 +1.0
SKT	Skwentna	80.14	25	I	Amb	15 48 51.9
SKT	comp-Z,241					
SKT	Skwentna	80.14	25	P	P	15 18 46.1 -0.2
SKT	comp-Z,8,21m,21.0s					
C18K	Utukok River	80.18	17	P	P	15 18 46.5 +0.2
C18K	comp-Z,92nm,1.6s					
C18K	Utukok River	80.18	17	P	P	15 18 46.5 +0.2
C18K	comp-Z,8,21m,21.0s					
C18K	Utukok River	80.18	17	P	P	15 18 46.5 +0.2
SEW	Seward	80.25	27	P	P	15 18 46.7 -0.1
SEW	comp-Z,233					
SUA	Susitna One	80.25	26	P	P	15 18 46.9 -0.1
SUA	comp-Z,246					
SUA	Susitna One	80.25	26	I	Amb	15 21 25.6
SUA	comp-Z,28nm,0.5s					
SUA	Susitna One	80.25	26	I	Amb	15 19 14.8
SUA	comp-Z,7,21m,21.0s					
SUA	Susitna One	80.25	26	P	P	15 18 48.3 +1.3
O22K	Cooper Landing	80.28	27	P	P	15 18 46.5 -0.4
O22K	comp-Z,67nm,0.9s					
O22K	Cooper Landing	80.28	27	P	P	15 18 46.5 -0.4
O22K	comp-Z,21,10m,20.0s					
O22K	Cooper Landing	80.28	27	P	P	15 18 46.5 -0.4
O22K	comp-Z,67nm,0.9s					
O22K	Cooper Landing	80.28	27	P	P	15 18 46.5 -0.4
O22K	comp-Z,7,21m,20.0s					
O22K	Cooper Landing	80.28	27	P	P	15 18 48.5 +1.5
O22K	comp-Z,245					
PPLA	Purkeypile	80.29	24	P	P	15 18 48.2 +1.1
PPLA	comp-Z,243,SNR=5.7					
I20K	Naaghedeneel	80.30	22	P	P	15 18 49.6 -0.1
I20K	comp-Z,94nm,1.1s					
I20K	Naaghedeneel	80.30	22	I	Amb	15 19 02.5
I20K	comp-Z,94nm,1.1s					
I20K	Naaghedeneel	80.30	22	I	Amb	15 19 02.5
FIS	Fire Island	80.34	26	I	Amb	15 49 49.3
FIS	comp-Z,10,21m,21.0s					
H20K	Anotleneega Mo	80.50	21	P	P	15 18 49.1 +1.0
H20K	comp-Z,240					

RC01	Rabbit Creek A	80.53	26	I	Amb	15 19 17.2
RC01	comp-Z,86nm,1.3s					
RC01	Rabbit Creek A	80.53	26	I	Amb	15 50 16.3
RC01	comp-Z,7,20m,20.0s					
RC01	Rabbit Creek A	80.53	26	P	P	15 18 48.4 +0.1
RC01	comp-Z,245,SNR=18					
CAST	Castle Rocks	80.57	24	I	Amb	15 49 28.1
CAST	comp-Z,9,21m,22.0s					
CAST	Castle Rocks	80.57	24	P	P	15 18 50.1 +1.5
CAST	comp-Z,245,SNR=13					
M22K	Willow	80.65	26	I	Amb	15 49 28.3
M22K	comp-Z,7,21m,21.0s					
M22K	Willow	80.65	26	P	P	15 18 50.5 +1.7
M22K	comp-Z,245,SNR=18					
CHUM	Lake Minchumini	80.69	23	P	P	15 18 51.0 +1.9
CHUM	comp-Z,243,SNR=28					
E19K	Redstone River	80.73	19	I	Amb	15 19 02.6
E19K	comp-Z,92nm,1.2s					
CUT	Chullitna	80.86	25	I	Amb	15 19 30.7
CUT	comp-Z,90nm,1.2s					
CUT	Chullitna	80.86	25	I	Amb	15 19 30.7
CUT	comp-Z,10,20m,22.0s					
CUT	Chullitna	80.86	25	P	P	15 18 52.1 +2.1
CUT	comp-Z,245					
F20K	Avaraart Lake	81.01	20	I	Amb	15 19 02.3
F20K	comp-Z,107nm,1.8s					
F20K	Avaraart Lake	81.01	20	I	Amb	15 19 02.3
F20K	comp-Z,10,20m,20.0s					
F20K	Avaraart Lake	81.01	20	P	P	15 18 52.5 +1.7
D19K	Kuna River	81.02	18	I	Amb	15 19 03.9
D19K	comp-Z,86nm,1.3s					
D19K	Kuna River	81.02	18	I	Amb	15 50 30.6
D19K	comp-Z,8,21m,21.0s					
D19K	Kuna River	81.02	18	P	P	15 18 51.8 +1.0
D19K	comp-Z,245,SNR=18					
PWL	Port Wells	81.06	27	P	P	15 18 51.2 0.0
PWL	comp-Z,62nm,1.0s					
PWL	Port Wells	81.06	27	I	Amb	15 19 05.7
PWL	comp-Z,9,21m,21.0s					
PWL	Port Wells	81.06	27	P	P	15 18 52.4 +1.2
PWL	comp-Z,247					
KTH	Kantishna Hill	81.10	24	I	Amb	15 18 58.3
KTH	comp-Z,66nm,1.3s					
KTH	Kantishna Hill	81.10	24	I	Amb	15 18 58.3
KTH	comp-Z,10,20m,20.0s					
KTH	Kantishna Hill	81.10	24	P	P	15 18 53.4 +1.7
P23K	Montague Islan	81.15	28	P	P	15 18 53.4 +1.7
P23K	comp-Z,248					
GHO	Ghory Hole Cre	81.17	26	I	Amb	15 19 07.8
GHO	comp-Z,57nm,1.2s					
GHO	Ghory Hole Cre	81.17	26	I	Amb	15 50 37.1
GHO	comp-Z,7,21m,20.0s					

MAW	Mawson	84.54	202	P	P	15 19 09.0	-0.1
PINM	Pinacle	84.57	29	P	P	15 19 09.6	+0.1
L27K	Beaver Creek	84.72	26	P	Iamb	15 19 10.0	-0.1
L27K	comp=Z,52nm,1.5s					15 19 20.1	
L27K	comp=Z,8jm,20.0s				IAMS_20	15 152 57.9	
L27K	Beaver Creek	84.72	26	P	P	15 19 10.9	+0.7
BCAR	Beaver Creek A	84.74	26	P	P	15 19 09.7	-0.6
F25K	Christian Rise	84.75	21	IAMS_20	IAMS_20	15 52 23.3	
F25K	Christian Rise	84.75	21	P	P	15 19 11.0	+0.8
O28M	Mount Upton	84.79	28	P	P	15 19 11.8	+0.9
I26K	Coal Creek Min	84.88	23	IAMS_20	IAMS_20	15 51 49.1	
YUK3	Moose Creek	84.95	27	P	P	15 19 12.6	+1.0
BVCY	Beaver Creek	84.95	27	P	P	15 19 12.0	+0.7
E25K	Arctic Village	84.97	20	IAMS_20	IAMS_20	15 51 29.2	
E25K	Arctic Village	84.97	20	P	P	15 19 12.6	+1.3
BMAR	Burnt Mountain	85.07	21	P	P	15 19 12.3	+0.4
YUK8	Steele Glacier	85.13	28	P	P	15 19 13.5	+0.9
D25K	Kavik River	85.15	19	IAMS_20	IAMS_20	15 53 13.9	
F26K	Sheenjek River	85.32	21	Iamb	Iamb	15 19 26.8	
F26K	comp=Z,46nm,1.4s				IAMS_20	15 54 53.5	
F26K	Sheenjek River	85.32	21	P	P	15 19 14.4	+1.3
O29M	Mount Kennedy	85.43	29	P	P	15 19 13.3	-0.6
EGAK	Eagle	85.52	24	Iamb	Iamb	15 19 38.9	
EGAK	Eagle	85.52	24	P	P	15 19 14.8	+0.8
I27K	Kandik River	85.59	23	P	P	15 19 14.6	+0.1
YUK4	Talbot Arm	85.67	28	P	P	15 19 14.0	-1.1
YUK6	Outpost Mounta	85.70	28	P	P	15 19 15.5	+0.1
H27K	Steamboat Moun	85.81	23	P	P	15 19 16.3	+0.7
G27K	Doyon Strip	85.94	22	IAMS_20	IAMS_20	15 55 26.0	
G27K	Doyon Strip	85.94	22	P	P	15 19 15.0	-1.2
M29M	Somme Creek	86.03	27	Iamb	Iamb	15 19 46.8	
M29M	comp=Z,44nm,1.3s				IAMS_20	15 56 49.7	
M29M	Somme Creek	86.03	27	P	P	15 19 14.6	-2.2
DAWY	Dawson	86.05	25	P	P	15 19 16.8	0.0
DAWY	comp=Z,60nm,1.1s				Iamb	15 19 42.1	
DAWY	Dawson	86.05	25	P	P	15 19 15.3	-1.5
S11K	Pelican	86.06	31	IAMS_20	IAMS_20	15 52 31.7	
S31K	Pelican	86.06	31	P	P	15 19 15.3	-1.5
HYT	Haines Junction	86.07	28	Iamb	Iamb	15 19 37.0	
HYT	Haines Junction	86.07	28	P	P	15 19 16.2	-0.9
C27K	Iago River	86.14	19	IAMS_20	IAMS_20	15 53 57.0	
I28M	Miner Creek	86.21	24	P	P	15 19 16.6	-1.0
PLBC	Pleasant Camp	86.31	30	P	P	15 19 16.6	-1.5
SIT	Sitka	86.35	32	P	P	15 19 16.2	-2.1
L29M	L29M	86.35	26	Iamb	Iamb	15 19 38.3	
L29M	comp=Z,48nm,1.1s				IAMS_20	15 53 40.9	
L29M	L29M	86.35	26	P	P	15 19 17.5	-0.7
E27K	Coleen River	86.39	21	IAMS_20	IAMS_20	15 55 13.8	
N30M	Aishkik Lake	86.42	28	P	P	15 19 17.9	-0.8
J29M	Klondike Camp	86.65	25	P	P	15 19 19.6	-0.2
QSPA	South Pole Qui	86.68	180	P	P	15 19 19.0	-0.9
QSPA	comp=Z,36nm,1.2s				Iamb	15 19 37.4	
QSPA	South Pole Qui	86.68	180	IAMS_20	IAMS_20	15 56 00.1	
QSPA	South Pole Qui	86.68	180	P	P	15 19 20.1	+0.1
O30N	Mendenhall	86.74	29	P	P	15 19 19.5	-0.8
K29M	Barlow Dome	86.79	26	IAMS_20	IAMS_20	15 52 50.7	
K29M	Barlow Dome	86.79	26	P	P	15 19 20.5	0.0
M30M	Minto, Yukon	86.81	27	P	P	15 19 20.8	+0.2
M30M	comp=Z,46nm,1.3s				Iamb	15 19 40.4	
M30M	Minto, Yukon	86.81	27	P	P	15 19 18.7	-1.8
S32K	Killisnoo	86.83	32	IAMS_20	IAMS_20	15 49 41.1	
S32K	Killisnoo	86.83	32	P	P	15 19 19.4	-1.3
SKAG	Skagway	86.83	30	P	P	15 19 20.5	-0.2
I29M	Ogilvie Camp	86.84	24	Iamb	Iamb	15 19 44.7	
I29M	comp=Z,45nm,1.2s				IAMS_20	15 53 12.9	
I29M	Ogilvie Camp	86.84	24	P	P	15 19 19.9	-0.7
F28M	Old Crow	86.84	22	Iamb	Iamb	15 19 37.1	
F28M	comp=Z,40nm,1.4s				IAMS_20	15 53 51.8	
F28M	Old Crow	86.84	22	P	P	15 19 21.0	+0.4
D27M	Malcolm River	86.93	20	Iamb	Iamb	15 19 42.2	
R32K	Eaglecrest	87.01	31	IAMS_20	IAMS_20	15 53 10.0	
R32K	Eaglecrest	87.01	31	P	P	15 19 20.8	-0.8
HRA	Herat	87.03	305	Iamb	Iamb	15 19 46.8	
H29M	Whitestone	87.04	23	IAMS_20	IAMS_20	15 56 34.0	
N31M	Braeburn, Yuko	87.04	28	P	P	15 19 20.6	-1.0
E28M	Babbage River	87.24	21	P	P	15 19 22.8	+0.3
E28M	comp=Z,44nm,1.1s				Iamb	15 19 43.6	
E28M	Babbage River	87.24	21	P	P	15 19 21.3	-1.2
CRAG	Craig	87.26	34	P	P	15 19 22.8	0.0
WHY	Whitehorse	87.30	29	P	P	15 19 23.1	+0.1
WHY	comp=Z,48nm,1.3s				Iamb	15 19 50.2	
WHY	Whitehorse	87.30	29	P	P	15 19 22.7	-0.4
G29M	Pine Creek	87.35	22	P	P	15 19 24.0	+0.9
U33K	Whale Pass	87.37	34	P	P	15 19 23.6	+0.3
J30M	Hart River	87.47	25	Iamb	Iamb	15 19 43.8	
J30M	Hart River	87.47	25	P	P	15 19 24.0	+0.2
I30M	Mount Dempster	87.60	24	Iamb	Iamb	15 19 35.2	

I30M	comp=Z,7jm,20.0s				IAMS_20	15 54 41.9	
I30M	Mount Dempster	87.60	24	P	P	15 19 24.4	-0.1
P32M	Atlin	87.67	30	P	Iamb	15 19 24.2	-0.6
P32M	comp=Z,26nm,1.1s				IAMS_20	15 53 20.2	
P32M	Atlin	87.67	30	P	P	15 19 23.9	-0.9
D28M	Stokes Point	87.72	20	P	P	15 19 24.1	-0.6
EPYK	Eagle Plains	87.72	23	IAMS_20	IAMS_20	15 56 25.1	
EPYK	Eagle Plains	87.72	23	P	P	15 19 24.1	-0.7
E29M	Blow River	87.77	21	IAMS_20	IAMS_20	15 54 45.2	
M31M	Drury Creek, Y	87.83	27	Iamb	Iamb	15 19 58.0	
M31M	comp=Z,6jm,21.0s				IAMS_20	15 54 45.3	
M31M	Drury Creek, Y	87.83	27	P	P	15 19 24.4	-1.1
WRAR	Wrangell Island	87.84	33	P	P	15 19 23.9	-1.6
G30M	Aah Zraii Nji	88.06	23	P	P	15 19 25.6	-0.8
G30M	comp=Z,6jm,21.0s				IAMS_20	15 54 28.9	
G30M	Aah Zraii Nji	88.06	23	P	P	15 19 25.2	-1.3
V35K	Ketchikan	88.08	34	P	P	15 19 25.4	-1.4
P33M	Teslin, Yukon	88.22	30	Iamb	Iamb	15 19 46.2	
P33M	Teslin, Yukon	88.22	30	P	P	15 19 27.1	-0.4
Q32M	Nakina River	88.29	31	IAMS_20	IAMS_20	15 54 21.7	
Q32M	Nakina River	88.29	31	P	P	15 19 29.0	+1.1
FARO	Faro, Yukon	88.31	28	P	P	15 19 28.6	+0.8
H30M	Barrier River	88.36	22	P	P	15 19 29.0	+1.2
F31M	Peel River	88.54	24	IAMS_20	IAMS_20	15 55 31.0	
H31M	Peel River	88.54	24	P	P	15 19 28.3	-0.5
S34M	Telegraph Cree	88.72	32	IAMS_20	IAMS_20	15 50 51.3	
S34M	Telegraph Cree	88.72	32	P	P	15 19 30.2	+0.5
G31M	Satah River	88.79	23	Iamb	Iamb	15 19 30.1	+0.2
G31M	comp=Z,46nm,1.1s				IAMS_20	15 57 07.4	
G31M	Satah River	88.79	23	P	P	15 19 30.5	+0.7
R33M	Jennings River	89.02	30	IAMS_20	IAMS_20	15 56 21.9	
R33M	Jennings River	89.02	30	P	P	15 19 31.6	+0.3
U35K	Hyder	89.06	34	P	P	15 19 31.8	+0.5
T35M	Bob Quinn	89.07	33	P	P	15 19 31.3	-0.1
F31M	Tsigithechic	89.09	22	IAMS_20	IAMS_20	15 55 22.3	
F31M	Tsigithechic	89.09	22	P	P	15 19 31.6	+0.4
INK	Inuvik	89.33	21	P	Iamb	15 19 31.7	-0.7
INK	comp=Z,55nm,1.4s				Iamb	15 19 52.4	
INK	Inuvik	89.33	21	LR	LR	15 55 13.2	
INK	comp=Z,8jm,21.4s				baz=252,slow=33s		
INK	Inuvik	89.33	21	P	P	15 19 33.0	+0.7
INK	Inuvik	89.33	21	P	P	15 19 31.7	-0.7
DLBC	Dease Lake	89.37	32	P	P	15 19 32.7	-0.2
BBB	Bella Bella	89.77	38	LR	LR	15 51 18.7	
WTLY	Watson Lake, Y	90.20	30	P	P	15 19 36.8	+0.2
SVE	Sverdiolovsk	90.41	327	eP	P	15 19 40.0	+2.4
SVE	comp=Z,32nm,1.5s				eS	15 30 11.9	+4.0
SVE	comp=E,8jm,20.0s				MLR	MLR	
SVE	comp=Z,9jm,20.0s				MLR	MLR	
CRZF	Crozet Islands	90.81	224	IAMS_20	IAMS_20	15 57 27.1	
ARTI	Arti	91.61	326	P	P	15 19 41.6	-1.6
ARTI	comp=Z,7jm,22.0s				IAMS_20	15 59 34.3	
ARTI	Arti	91.61	326	iP	P	15 19 42.2	-1.1
ARTI	comp=Z,33nm,1.5s				S	15 23 21.0	
ARTI	Arti	91.61	326	PP	PP	15 30 14.7	-0.1
ARTI	Arti	91.61	326	SS	SS	15 32 24.6	+3.0
ARTI	Arti	91.61	326	PMAX	PMAX	15 36 46.0	-3.2
ARTI	comp=Z,12nm,1.2s				MLR	MLR	
COR	Corvalls	92.46	46	IAMS_20	IAMS_20	15 54 22.3	
A36M	Sachs Harbour	92.56	18	P	P	15 19 46.8	-0.5
KOTAN	Kotaneleele Air	92.57	30	P	P	15 19 47.2	-0.4
O02D	Mt. Diablo Mer	92.68	50	IAMS_20	IAMS_20	15 52 44.7	
YBH	Yreka Blue Hor	92.79	49	LR	LR	15 53 24.3	
C36M	Paulatuk	92.86	21	Iamb	Iamb	15 20 00.4	
C36M	comp=Z,34nm,1.4s				IAMS_20	15 57 28.6	
C36M	Paulatuk	92.86	21	P	P	15 19 47.9	-0.8
C09A	Chrisman Ranch	95.96	42	Iamb	Iamb	15 20 13.7	
NVAR	Minna Array Bea	96.14	52	P	P	15 20 04.3	-0.5
NVAR	comp=Z,0.4nm,0.5s				LR	15 54 42.9	
NVAR	comp=Z,2jm,21.7s				baz=264,slow=30		
PASC	Pasadena Art C	96.27	56	IAMS_20	IAMS_20	15 57 11.4	
NEW	Newport	96.72	42	IAMS_20	IAMS_20	15 56 57.7	
BMO	Blue Mountains	96.73	45	P	P	15 20 06.2	-0.9
BMO	comp=Z,5jm,20.0s				IAMS_20	15 57 28.4	
BMO	Blue Mountains	96.73	45	P	P	15 20 06.3	-0.9
YKA	Yellowknife Ar	97.03	28	P	P	15 20 08.5	+0.4
YKA	comp=Z,2.1nm,0.9s				baz=274,slow=4.6,SNR=15		
YKA	comp=Z,0.1nm,0.2s				baz=276,slow=8.1,SNR=5.6		
YKA	comp=Z,0.5nm,0.8s				baz=102,slow=2.8,SNR=6.8		
PLID	Pearl Lake	97.65	45	IAMS_20	IAMS_20	15 57 28.6	
PFO	Pinyon Flats O	97.72	57	LR	LR	15 56 37.0	
MFID	Camas Ranch	97.86	47	IAMS_20	IAMS_20	15 58 00.4	
BELG	Belogorovsk	97.96	322	eP	P	15 20 11.2	-1.1
BELG	comp=Z,8.0nm,1.0s				PMAX	PMAX	
BELG	comp=Z,666nm,20.0s				MLR	MLR	
ELK	Elko	98.43	49	IAMS_20	IAMS_20	15 56 51.9	
MAK							

PAX	Paxson	37.71	41	P	P	15 15 36.1 -0.2
J25K	Salcha River	37.72	38	P	P	15 15 36.1 -0.2
EYAK	Cordova Ski Ar	37.73	45	P	P	15 15 36.2 -0.2
E25K	Arctic Village	37.77	32	P	P	15 15 36.5 -0.3
FYU	Fort Yukon	37.81	35	IAMB	IAMB	15 15 49.0
HARP	HAARP	37.88	42	P	P	15 15 37.6 -0.1
RIDG	Independent Ri	37.96	39	P	P	15 15 38.0 -0.4
BMAR	Burnt Mountain	38.11	33	P	P	15 15 41.2 +1.7
N25K	Chitina, Valde	38.20	43	P	P	15 15 40.1 -0.3
BMRM	Bremner River	38.25	44	P	P	15 15 40.2 -0.6
F26K	Sheenjek River	38.28	33	P	P	15 15 40.8 -0.3
LZH	Lanzhou	38.30	273	P	P	15 15 44.8 +3.2
LZH	LZH			pP	sP	15 15 49.1 -0.2
LZH	LZH			pmax	pmax	
SCRK	Sand Creek	38.34	39	P	P	15 15 40.7 -0.9
G26K	Porcupine River	38.40	34	P	P	15 15 41.2 -0.7
KAIM	Kayak Island	38.46	46	P	P	15 15 42.2 -0.3
J26L	Joseph Creek	38.50	38	P	P	15 15 42.4 -0.5
C77K	Jago River	38.57	30	IAMB	IAMB	15 15 48.1
C27K	Jago River	38.57	30	P	P	15 15 43.4 +0.1
I26K	Coal Creek Min	38.65	37	P	P	15 15 43.5 -0.6
L26K	Log Cabin Wild	38.67	41	P	P	15 15 43.8 -0.5
VRDI	Verde Repeater	38.78	43	P	P	15 15 46.7 +1.2
VRDI	VRDI			IAMB	IAMB	15 15 48.0
M26K	Nabesna, AK	38.88	42	IAMB	IAMB	15 15 49.3
M26K	Nabesna, AK	38.88	42	P	P	15 15 46.5 +0.4
G27K	Doyon Strip	39.24	34	P	P	15 15 49.5 +0.5
E27K	Coleen River	39.26	32	P	P	15 15 50.2 +1.0
I27K	Kandik River	39.29	36	P	P	15 15 50.2 +0.7
H27K	Steamboat Moun	39.30	35	P	P	15 15 49.1 -0.5
L27K	Beaver Creek	39.36	40	IAMB	IAMB	15 15 53.3
L27K	Beaver Creek	39.36	40	P	P	15 15 50.0 -0.1
BCAR	Beaver Creek A	39.38	40	P	P	15 15 51.9 +1.6
M27K	Edge Creek, AK	39.41	42	P	P	15 15 50.4 -0.2
GTA	Gaotai	39.49	280	eP	P	15 15 54.6 +3.0
GTA	GTA			pmax	pmax	
GTA	GTA			LR	LR	
GTA	GTA			LR	LR	
GTA	GTA			LR	LR	
EGAK	Eagle	39.52	38	IAMB	IAMB	15 15 53.1
EGAK	Eagle	39.52	38	P	P	15 15 51.1 -0.3
NR1K	Noril'sk	39.76	330	P	P	15 15 52.5 -0.7
NR1K	Noril'sk			pmax	pmax	
NR1K	Noril'sk			P	P	15 15 52.4 -0.9
BVCY	Beaver Creek	39.87	41	P	P	15 15 54.8 +0.5
F28M	Old Crow	39.92	33	P	P	15 15 55.0 +0.3
I28M	Miner Creek	39.99	37	P	P	15 15 55.4 0.0
E28M	Babbage River	40.03	32	P	P	15 15 54.9 -0.6
YUK3	Moose Creek	40.14	42	P	P	15 15 55.8 -1.0
D28M	Stokes Point	40.31	31	P	P	15 15 57.8 0.0
DAWY	Dawson	40.35	39	P	P	15 15 59.5 +1.2
DAWY	Dawson	40.35	39	P	P	15 15 57.7 -0.6
O28M	Mount Upton	40.42	44	P	P	15 15 58.6 -0.6
P1M	Pinnacle	40.50	45	P	P	15 15 59.1 -0.5
YUK8	Steele Glacier	40.54	43	P	P	15 16 00.3 +0.1
H29M	Whitestone	40.58	35	P	P	15 15 59.8 -0.3
E29M	Blow River	40.64	32	P	P	15 16 00.8 +0.3
G29M	Pine Creek	40.67	34	P	P	15 16 02.9 +2.0
G29M	Pine Creek	40.67	34	IAMB	IAMB	15 16 08.4
G29M	Pine Creek	40.67	34	P	P	15 16 01.2 +0.3
I29M	Ogilvie Camp,	40.68	37	P	P	15 16 01.4 +0.4
M29M	Somme Creek	40.98	41	P	P	15 16 03.0 -0.5
L29M	L29M	41.03	40	IAMB	IAMB	15 16 07.3
L29M	L29M	41.03	40	P	P	15 16 03.5 -0.5
YUK4	Talbot Arm	41.07	43	P	P	15 16 04.3 -0.2
K29M	Barlow Dome	41.20	39	IAMB	IAMB	15 16 08.5
K29M	Barlow Dome	41.20	39	P	P	15 16 05.7 +0.3
EPYK	Eagle Plains	41.23	35	P	P	15 16 04.8 -0.7
YUK6	Outpost Mounta	41.27	43	P	P	15 16 05.1 -1.0
O29M	Mount Kennedy	41.29	44	P	P	15 16 05.7 -0.5
G30M	IAoh Zraii Nji	41.37	34	P	P	15 16 07.0 +0.3
G30M	IAoh Zraii Nji	41.37	34	P	P	15 16 06.5 -0.2
F30M	Barrier River	41.48	33	P	P	15 16 07.0 -0.5
I30M	Mount Dempster	41.50	37	IAMB	IAMB	15 16 10.4
I30M	Mount Dempster	41.50	37	P	P	15 16 07.9 0.0
J30M	Hart River	41.61	38	P	P	15 16 07.7 -1.0
HYT	Haines Junctio	41.71	43	P	P	15 16 10.2 +0.6
HYT	Haines Junctio	41.71	43	IAMB	IAMB	15 16 13.0
HYT	Haines Junctio	41.71	43	P	P	15 16 09.0 -0.6
M30M	Minto, Yukon	41.72	41	P	P	15 16 09.0 -0.6
N30M	Aishikik Lake	41.78	42	P	P	15 16 10.1 -0.1
P29M	Windy Craggy	41.84	45	IAMB	IAMB	15 16 14.3
P29M	Windy Craggy	41.84	45	P	P	15 16 10.7 +0.1
P30M	Million Dollar	42.12	44	P	P	15 16 12.0 -0.9
G31M	Satah River	42.14	34	P	P	15 16 12.1 -0.7
INK	Inuvik	42.26	32	P	P	15 16 14.8 +1.0
INK	Inuvik	42.26	32	P	P	15 16 14.8 +1.0
INK	Inuvik	42.26	32	P	P	15 16 12.9 -0.9
INK	Inuvik	42.26	32	P	P	15 16 14.8 +1.0
INK	Inuvik			pmax	pmax	

H31M	Peel River	42.26	36	P	P	15 16 13.0 -1.0
F31M	Tsighehtich	42.28	33	P	P	15 16 15.0 +1.1
F31M	Tsighehtich	42.28	33	P	P	15 16 12.8 -1.1
N31M	Braeburn, Yuko	42.39	42	P	P	15 16 14.5 -0.6
O30N	Mendenhall	42.40	43	P	P	15 16 16.4 +1.3
O30N	Mendenhall	42.40	43	IAMB	IAMB	15 16 47.1
O30N	Mendenhall	42.40	43	P	P	15 16 15.7 +0.6
PLBC	Pleasant Camp	42.56	45	P	P	15 16 16.4 0.0
M31M	Drury Creek, Y	42.89	41	P	P	15 16 20.1 +1.0
M31M	Drury Creek, Y	42.89	41	P	P	15 16 19.7 +0.6
S31K	Pelican	43.00	47	P	P	15 16 20.4 +0.4
WHY	Whitehorse	43.00	43	P	P	15 16 20.8 +0.7
FARO	Faro, Yukon	43.36	41	IAMB	IAMB	15 16 48.8
FARO	Faro, Yukon	43.36	41	P	P	15 16 23.2 +0.4
ZALV	Zalesovo Beam	43.47	307	P	P	15 16 23.0 -0.8
SIT	Sitka	43.72	48	P	P	15 16 26.0 +0.2
S32K	Kiliuco	43.99	48	P	P	15 16 28.4 +0.5
P33M	Teslin, Yukon	44.10	43	IAMB	IAMB	15 16 32.4
P33M	Teslin, Yukon	44.10	43	P	P	15 16 28.7 -0.3
GOMU	GeErMu	44.51	279	P	P	15 16 34.8 +1.9
GOMU	GOMU			pmax	pmax	
A36M	Sachs Harbour	44.54	26	P	P	15 16 32.3 +0.1
R33M	Jennings River	45.23	44	IAMB	IAMB	15 16 42.2
R33M	Jennings River	45.23	44	P	P	15 16 37.3 -0.7
PZH	PanZhiHua	45.25	263	P	P	15 16 39.4 +0.8
PZH	PZH			pmax	pmax	
CRAG	Craig	45.39	50	P	P	15 16 38.8 -0.3
C36M	Paulatuk	45.46	30	P	P	15 16 39.5 0.0
C36M	Paulatuk	45.46	30	IAMB	IAMB	15 16 49.4
C36M	Paulatuk	45.46	30	P	P	15 16 39.0 -0.5
S34M	Telegraph Cree	45.62	46	P	P	15 16 40.4 -0.5
WMQ	Urumqi	45.62	292	eP	P	15 16 43.1 +1.9
DLBC	Dease Lake	46.00	45	P	P	15 16 43.3 -0.8
T35M	Bob Quinn	46.38	47	P	P	15 16 46.1 -0.8
MK31	Makanchi Array	47.71	298	IAMB	IAMB	15 17 13.4
MK31	Makanchi Array	47.71	298	iP	P	15 16 57.6 +0.1
MK31	Makanchi Array	47.71	298	P	P	15 16 57.9 +0.4
MAKZ	Makanchi	47.89	298	P	P	15 16 58.0 -0.8
MAKZ	Makanchi	47.89	298	IAMB	IAMB	15 17 15.0
MAKZ	Makanchi	47.89	298	P	P	15 16 58.1 -0.8
MANU	Manu Island	47.96	188	P	P	15 16 57.9 -1.8
KURK	Kurchatov	48.20	305	P	P	15 17 00.5 -0.7
KURK	Kurchatov	48.20	305	eP	P	15 17 02.5 +1.3
KURK	Kurchatov	48.20	305	P	P	15 17 01.7 -0.2
KURB	Kurchatov Arra	48.29	304	P	P	15 17 00.7 -1.2
YKA	Yellowknife Ar	51.47	36	P	P	15 17 27.0 +1.1
RES	Resolute Bay	51.62	18	IAMB	IAMB	15 17 34.5
BVAO	Borovoye Array	51.75	310	iP	P	15 17 26.6 -1.5
BVAR	Borovoye Array	51.75	310	P	P	15 17 28.4 +0.3
BRVK	Borovoye	51.79	310	P	P	15 17 28.3 -0.1
BRVK	Borovoye	51.79	310	eP	P	15 17 29.4 +1.0
BRVK	Borovoye	51.79	310	P	P	15 17 29.4 +1.0
CMAR	Chiang Mai Arr	52.51	36	P	P	15 17 36.5 +2.3
SPITS	Spitsbergen Ar	53.61	350	P	P	15 17 40.8 -0.7
AAK	Ala-Archa	54.59	297	P	P	15 17 48.8 -0.5
AAK	Ala-Archa	54.59	297	IAMB	IAMB	15 18 06.5
AAK	Ala-Archa	54.59	297	P	P	15 17 48.8 -0.5
AAK	Ala-Archa	54.59	297	eP	P	15 17 48.8 -0.5
SVE	Sverdiolovsk	54.78	318	eP	P	15 17 51.4 +1.1
KSH	Kashi	55.36	293	P	P	15 18 00.6 +5.7
ARTI	Arti	56.07	318	P	P	15 17 59.5 -0.1
ARTI	Arti	56.07	318	iP	P	15 18 00.1 +0.5
ARTI	Arti			SS	SS	15 20 04.8
ARTI	Arti			SS	SS	15 25 05.6 +4.4
ARTI	Arti			pmax	pmax	15 29 33.8 +1.9
NEEM	North Greenland	56.07	6	iP	P	15 17 58.4 -1.3
ARSB	Arslanbob	56.25	297	P	P	15 18 01.5 +0.2
ARSB	Arslanbob	56.25	297	P	P	15 18 01.5 +0.2
KK31	Karatay Array	56.78	300	iP	P	15 18 05.4 +0.5
NGOA	Ngoina Renbet	57.38	173	P	P	15 18 17.1 +7.9
DAG	Danmarks Havn	57.61	358	iP	P	15 18 10.3 +0.1
DAG	DAG			IAMB	IAMB	15 18 15.1
LVZ	Lovozero	57.78	337	P	P	15 18 12.0 +0.4
KULLO	Kullorsuaq	58.14	9	iP	P	15 18 16.9 +3.0
KULLO	Kullorsuaq	58.14	9	IAMB	IAMB	15 18 18.1
BTK	Batken	58.32	297	P	P	15 18 15.6 -0.3
BTK	Batken	58.32	297	P	P	15 18 15.6 -0.3
KIRV	Kirov	58.76	324	eP	P	15 18 20.0 +1.6
ARCES	ARCES Array B	58.87	341	P	P	15 18 20.0 +0.9
AB31	Akbulak array	59.32	311	eP	P	15 18 22.2 +0.3
UPNV	Upernivik	59.91	10	iP	P	15 18 29.0 +2.8
WVOR	Wild Horse Val	59.94	59	P	P	15 18 27.0 -0.1
WVOR	Wild Horse Val	59.94	59	P	P	15 18 27.0 -0.1
SMIJ	Simiganj	60.28	296	P	P	15 18 30.1 +0.7
NIL	Nilore	60.56	289	P	P	15 18 31.5 +0.2
NIL	Nilore	60.56	289	P	P	15 18 31.5 +0.2
NIL	Nilore			pmax	pmax	

KLMR	Klimovskoe	61.11	329	eP	P	15 18 34.2 -0.4
SUMG	Summit	61.62	4	P	P	15 18 38.8 +0.4
SUMG	Summit	61.62	4	P	P	15 18 38.8 +0.4
SUMG	Summit			pmax	pmax	
SUMG	Summit	61.62	4	iP	IAMB	15 18 39.0 +0.6
SUMG	Summit			IAMB	IAMB	15 18 44.5
FCC	Fort Churchill	61.86	33	P	P	15 18 40.3 +0.6
FCC	Fort Churchill	61.86	33	P	P	15 18 40.3 +0.6
FCC	Fort Churchill			pmax	pmax	
BOZ	Bozeman (W)	62.08	52	IAMB	IAMB	15 18 44.0
NVAR	Mina Array B	62.55	62	P	P	15 18 46.6 +1.7
ELK	El					

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OOD Van Horn, KWP Kalwaria Pacia, BUR08 Bucovina Ar. S, etc.

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, h, m, s, ISC. Includes stations like J17K VABM Dome, KURB8 Kurchatov Arr, L19K White Mountain, etc.

Table with columns: Code, Station Name, Az, El, P, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MTN Manton Dam, MTN Manton Dam, MTN Manton Dam, etc.

TYV	Tymovskoe	53.92 357	eP	P	15 23 43.9	+0.4
TYV	comp-Z,1.1nm,1.5s		pmax	pmax		
HHC	Hu-ho-hao-te	54.09 328	eP	P	15 23 46.8	+1.7
HHC	comp-Z,1.1nm,0.8s		pmax	pmax		
TNCH	TengChong	54.17 304	P	P	15 23 49.3	+3.3
TNCH	comp-Z,1.6nm,0.9s		pP	pP	15 23 52.4	-0.6
BTO	Baotou	54.76 327	eP	P	15 23 53.0	+2.4
BTO	comp-Z,1.1nm,0.9s		pP	pP	15 23 57.0	0.0
BTO			sP	sP	15 23 59.0	-0.8
BTO			S	S	15 31 35.5	+6.2
BTO			sS	sS	15 31 43.1	+2.2
BTO	comp-Z,1.0nm,0.7s		SS	SS	15 35 07.9	-4.9
BTO			pmax	pmax		
LZH	Lanzhou	55.65 319	eP	P	15 24 01.8	+5.3
LZH	comp-Z,1.5nm,1.4s		pmax	pmax		
HEH	HeiHe	55.66 345	eP	P	15 23 54.5	-1.5
HEH	comp-Z,0.9nm,1.0s		pmax	pmax		
PETK	Petrovlovsk	56.90 8	P	P	15 24 04.7	-0.2
PETK	comp-Z,5.5nm,0.9s,baz=168,slow=6.5,SNR=7.3					
HIA	Hailar	57.09 340	P	I	15 24 07.1	+0.8
HIA	comp-Z,1.8nm,1.0s		I	I	15 24 16.3	
HIA	Hailar	57.09 340	P	P	15 24 07.1	+0.8
HIA	comp-Z,1.8nm,1.0s		pmax	pmax		
ZEA	Zeya	58.91 347	eP	P	15 24 21.2	+2.2
ZEA	comp-Z,1.0nm,1.0s		pmax	pmax		
GTA	Gaotai	60.16 320	eP	P	15 24 28.3	+0.3
GTA	comp-Z,3.0nm,1.7s		pP	pP	15 24 34.3	-0.9
ULN	Ulanbaatar	61.33 331	P	I	15 24 35.7	-0.2
ULN	comp-Z,2.1nm,1.2s		I	I	15 24 46.8	
ULN	Ulanbaatar	61.33 331	P	P	15 24 35.7	-0.2
ULN	comp-Z,2.1nm,1.2s		pmax	pmax		
SOMN	Songino Array	61.62 331	P	P	15 24 38.2	+0.3
SOMN	comp-Z,2.0nm,1.1s,baz=151,slow=5.9,SNR=10					
GOMU	GeErMu	61.94 314	P	P	15 24 40.8	+0.3
GOMU	comp-Z,2.0nm,1.1s		pmax	pmax		
MA2	Magadan	62.66 3	P	P	15 24 45.7	+1.3
MA2	comp-Z,0.9nm,1.0s					
MA2	Magadan	62.66 3	eP	P	15 24 44.3	-0.1
MA2	comp-Z,1.4nm,0.9s		pmax	pmax		
PPT	Papeete	64.38 108	P	P	15 24 57.7	+1.1
PPT	comp-Z,2.3nm,0.6s,baz=5.9,slow=19,SNR=4.9					
SEY	Seymchan	66.09 3	iP	P	15 25 05.3	-1.5
SEY	comp-Z,2.3nm,0.6s		pmax	pmax		
YAK	Yakutsk	66.27 352	iP	P	15 25 07.6	-0.3
YAK	comp-Z,1.1nm,0.9s		pmax	pmax		
MOY	Mondy	66.79 331	eP	P	15 25 13.5	+1.9
MOY	comp-Z,4.7nm,1.7s		pmax	pmax		
HYB	Hyderabad	69.85 290	eP	P	15 25 31.1	-0.3
WMQ	Urumqi	70.22 319	eP	P	15 25 36.8	+3.6
WMQ	comp-Z,1.5nm,0.7s		LR	LR		
WMQ	comp-Z,4.4nm,1.8s		LR	LR		
WMQ	comp-Z,5.4nm,1.7s		LR	LR		
WMQ	comp-Z,4.4nm,2.0s		LR	LR		
BILL	Bilibino	72.42 8	P	P	15 25 46.6	+0.6
MK31	Makanchi Array	74.90 320	P	I	15 25 59.4	-1.6
MK31	comp-Z,2.0nm,1.2s		I	I	15 26 11.5	
MK31	Makanchi Array	74.90 320	P	P	15 25 59.4	-1.6
MK31	comp-Z,2.0nm,1.2s		pmax	pmax		
MKAR	Makanchi Array	74.90 320	P	P	15 26 00.1	-0.9
MKAR	comp-Z,0.9nm,1.1s,baz=104,slow=7.6,SNR=9.3					
MKAR	Makanchi Array	74.90 320	P	P	15 26 05.0	+4.0
MKAR	comp-Z,0.9nm,1.1s		pmax	pmax		
MAK2	Makanchi	75.11 320	P	I	15 26 00.7	-1.4
MAK2	comp-Z,2.9nm,1.2s		I	I	15 26 12.6	
MAK2	Makanchi	75.11 320	P	P	15 26 00.7	-1.4
MAK2	comp-Z,2.9nm,1.2s		pmax	pmax		
M14K	Bethel	75.18 24	P	P	15 26 03.4	+1.2
TIXI	Tiksi	75.56 354	iP	P	15 26 04.1	0.0
TIXI	comp-Z,1.5nm,2.2s		pmax	pmax		
ZALV	Zalesovo Beam	76.28 328	P	P	15 26 07.1	-1.6
ZALV	comp-Z,2.6nm,0.8s,baz=106,slow=5.3,SNR=6.0					
ZALV	Zalesovo Beam	76.28 328	iP	P	15 26 11.3	+2.7
ZALV	comp-Z,5.0nm,1.0s		pmax	pmax		
L16K	Owhat River	76.72 23	P	P	15 26 12.0	+1.0
KDJ	Kajisay	76.84 314	P	P	15 26 11.0	-1.3
KDJ	Kajisay	76.84 314	P	P	15 26 11.0	-1.3
KDJ	comp-Z,1.0nm,1.0s		pmax	pmax		
KSH	Kashi	77.00 312	P	P	15 26 15.6	+2.4
KSH	comp-Z,6.0nm,0.9s		pmax	pmax		
K17K	Iditarod	77.73 23	P	P	15 26 18.3	+1.6
NIL	Nilore	77.74 305	P	P	15 26 16.7	-0.7
NIL	Nilore	77.74 305	P	P	15 26 16.7	-0.7
NIL	comp-Z,2.4nm,0.9s		pmax	pmax		
J17K	VAMBI Dome	77.81 22	P	P	15 26 18.2	+1.2
J17K	comp-Z,1.3nm,0.9s		I	I	15 26 27.3	
H17K	Granite Mounta	78.38 21	I	I	15 26 32.4	
KURK	Kurchatov	78.56 323	P	I	15 26 20.5	-1.0
KURK	comp-Z,1.4nm,1.0s		I	I	15 26 34.1	
KURK	Kurchatov	78.56 323	P	P	15 26 20.5	-1.0
KURK	comp-Z,1.7nm,1.0s		pmax	pmax		
KURK	Kurchatov	78.56 323	P	P	15 26 21.7	+0.1
KURK	comp-Z,1.7nm,1.0s		pmax	pmax		
M19K	Big River Lodg	78.88 25	I	I	15 26 32.6	
M19K	comp-Z,2.6nm,0.9s		I	I	15 26 32.6	
AAK	Ala-Archa	78.89 314	P	P	15 26 23.5	-0.2
AAK	Ala-Archa	78.89 314	P	P	15 26 22.6	-1.1
AAK	comp-Z,6.0nm,1.0s		pmax	pmax		
M20K	Styx River	79.40 25	P	P	15 26 27.1	+1.1
K20K	Telida	79.72 23	P	P	15 26 27.8	+0.2
G19K	Purcell Mounta	80.03 20	I	I	15 26 44.9	
J20K	Nowinta River	80.09 23	I	I	15 26 41.9	
J20K	comp-Z,2.4nm,1.1s		I	I	15 26 41.9	
RC01	Rabbit Creek A	80.51 26	P	I	15 26 31.8	0.0
RC01	comp-Z,3.3nm,1.2s		I	I	15 26 40.7	
CAST	Castle Rocks	80.54 24	I	I	15 26 43.1	
CAST	comp-Z,1.8nm,1.1s		I	I	15 26 43.1	
M22K	Willow	80.62 26	P	P	15 26 32.8	+0.4
E19K	Redstone River	80.68 19	I	I	15 26 44.9	
E19K	comp-Z,1.9nm,1.0s		I	I	15 26 44.9	
D19K	Kuna River	80.97 18	I	I	15 26 46.1	
D19K	comp-Z,1.5nm,1.0s		I	I	15 26 46.1	

PMR	Palmer	80.98 26	P	I	15 26 35.9	+1.5
PMR	comp-Z,2.5nm,1.2s		I	I	15 26 47.3	
PMR	Palmer	80.98 26	P	P	15 26 35.9	+1.5
PMR	comp-Z,2.5nm,1.2s		pmax	pmax		
PWL	Port Wells	81.04 27	P	P	15 26 35.3	+0.6
KTH	Kantishna Hill	81.06 24	P	I	15 26 35.3	+0.4
KTH	comp-Z,2.2nm,1.0s		I	I	15 26 46.2	
RND	Reindeer	81.84 24	I	I	15 26 56.1	
RND	comp-Z,1.6nm,1.0s		I	I	15 26 56.1	
KK31	Karatay Array	81.84 314	iP	P	15 26 40.2	+0.8
KKAR	Karatay Array	81.84 314	P	P	15 26 39.0	-0.4
KKAR	Karatay Array	81.84 314	P	P	15 26 39.0	-0.4
KKAR	comp-Z,8.0nm,1.3s		pmax	pmax		
SMJ	Simiganj	82.09 310	P	P	15 26 40.3	-0.7
SMJ	comp-Z,1.6nm,1.2s		I	I	15 27 09.6	
NEA2	Nenana	82.25 23	I	I	15 26 51.5	
NEA2	comp-Z,2.2nm,1.4s		I	I	15 26 51.5	
E21K	Killik River	82.25 19	I	I	15 26 52.9	
E21K	comp-Z,1.3nm,0.9s		I	I	15 26 52.9	
KLU	Kluta	82.36 27	I	I	15 26 51.3	
KLU	comp-Z,2.3nm,1.2s		I	I	15 26 51.3	
NR1K	Nori'sk	82.40 342	I	I	15 27 11.2	
NR1K	comp-Z,1.5nm,1.0s		I	I	15 27 11.2	
NR1K	Nori'sk	82.40 342	P	P	15 26 42.4	+0.7
NR1K	comp-Z,4.1nm,0.9s,baz=121,slow=4.1,SNR=7.3					
NR1K	Nori'sk	82.40 342	iP	P	15 26 42.2	+0.5
NR1K	comp-Z,1.1nm,0.9s		pmax	pmax		
WRH	Wood River Hil	82.58 23	P	P	15 26 42.5	-0.2
WRH	comp-Z,1.6nm,1.1s		I	I	15 26 53.6	
E22K	Anaktuvuk Pass	82.81 19	I	I	15 26 56.6	
E22K	comp-Z,1.8nm,1.4s		I	I	15 26 56.6	
COLA	College	82.84 23	iP	P	15 26 43.5	-0.6
COLA	comp-Z,1.5nm,1.2s		pmax	pmax		
D22K	Ayikyak River	82.87 19	I	I	15 26 56.6	
D22K	comp-Z,0.9nm,1.0s		I	I	15 26 56.6	
IL31		83.18 23	I	I	15 26 57.8	
IL31	comp-Z,9.9nm,0.8s		I	I	15 26 57.8	
ILAR	Eielson Array	83.18 23	P	P	15 26 44.9	-1.0
ILAR	comp-Z,3.0nm,0.9s,baz=259,slow=5.1,SNR=19					
H24K	Noodor Dome	83.21 22	I	I	15 27 08.5	
H24K	comp-Z,1.6nm,1.4s		I	I	15 27 08.5	
GLB	Gilahina Butte	83.30 27	P	I	15 26 47.2	+0.6
GLB	comp-Z,1.1nm,1.0s		I	I	15 27 00.1	
E23K	Chandler	83.51 20	I	I	15 26 59.8	
E23K	comp-Z,1.1nm,0.9s		I	I	15 26 59.8	
G24K	Hadweencic Riv	83.70 21	P	I	15 26 49.9	+1.4
G24K	comp-Z,1.5nm,1.1s		I	I	15 27 00.4	
F24K	Squaw Lake	83.88 21	I	I	15 27 01.7	
F24K	comp-Z,1.2nm,0.9s		I	I	15 27 01.7	
BVA0	Borovoye Array	84.10 324	iP	P	15 26 50.5	-0.4
BVA0	comp-Z,1.1nm,0.9s,baz=104,slow=5.0,SNR=9.3					
BVA0	Borovoye Array	84.10 324	P	P	15 26 50.5	-0.4
BVA0	comp-Z,1.1nm,0.9s		pmax	pmax		
BRVK	Borovoye	84.17 324	P	P	15 26 50.9	-0.3
BRVK	comp-Z,1.5nm,0.9s		I	I	15 27 11.9	
BRVK	Borovoye	84.17 324	iP	P	15 26 49.1	-2.1
BRVK	comp-Z,1.8nm,0.9s		pmax	pmax		
J26L	Joseph Creek	84.42 24	P	I	15 26 53.0	+0.6
J26L	comp-Z,1.1nm,1.2s		I	I	15 27 03.8	
M27K	Edge Creek, AK	84.45 26	I	I	15 27 02.4	
M27K	comp-Z,1.1nm,1.0s		I	I	15 27 02.4	

17d 15h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ARTI, RAR, HUH, L16K, F17K, K1RV, C18K, STLK, SKT, BRLL, B22K, SLKM, VVND, PWL, BRTR, ARCES, SPITS, AKASG, FINES, HFS, NOA, TORD.

IDC 17 15:17:16.5:1.2, 3:20S:146:31E, h0km, mb4.0/9, mbmp4.0/11, ML2.6/2, Error ellipse: s-maj=43.2km s-min=20.5km az=95.0

NEIC 17 15:17:18.9:2.6, 3:15:0.1:146:3E:0.2, h10km, 2km, mb4.4/11, Error ellipse: s-maj=35.5km s-min=13.0km az=126.0

ISC 17 15:17:18.1:0.7, 3:14S:0:08:146:4E:0.2, h10km, n25, s=122:25, mb4.1/12, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like MANU, PMG, COEN, CTA, WRAB, WB2, WRA, KNRA, ASAR, CMAR, SONM, MKAR, MAKZ, ZALV, G19K, E19K, D19K, B22K, D22K, ILAR, BVAR, ABKAR, YKA.

IDC 17 15:18:46.2:1.3, 3:14S:146:32E, h0km, mb4.1/9, mbmp4.1/10, ML1.6/1, Error ellipse: s-maj=42.4km s-min=18.5km az=97.0

ISC 17 15:18:49.0:1.0, 3:13S:0:10:146:3E:0.3, h10km, n10, s=072/10, mb4.0/8, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like PMG, WRAB, ASAR, FITZ, CMAR, SONM, MKAR, ZALV, ILAR.

2019 JAN

BVAR Borovoye Array 84.05 324 P P 15 31 19.3 +0.4
3.5nm, 0.8s, baz=97, slow=5.5, SNR=4.1
3.5nm, 0.8s

NEIC 17 15:23:47.2:2.6, 3:37S:0:06:146:59E:0.07, h10km, 1km, mb4.8/24, Error ellipse: s-maj=13.5km s-min=9.5km az=123.0

IDC 17 15:23:47.4:0.9, 3:19S:146:30E, h0km, mb4.3/15, mbmp4.3/17, ML2.5/2, Error ellipse: s-maj=29.9km s-min=15.0km az=98.0

ISC 17 15:23:49.0:0.5, 3:34S:0:05:146:56E:0.07, h20km, n69, s=251/67, mb4.7/27, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like MANU, RABJ, JAY, PMG, ALOT, COEN, HNR, CTA, CTAO, KDU, DRS, MTN, WB0, WRAB, WB2, WRA, WB1, KNRA, EIDS, SOEI, SOE, CLP, AS01, AS31, ASAR, LUWI, INKA, FITZ, FITZ.

AULRC Lightning Ridg 25.99 177 P P 15 29 27.5 +0.0

TOLIZ Tolitoli 26.14 279 P P 15 29 21.9 +0.3

OOD Oodnadatta 26.44 202 P P 15 29 27.8 +3.1

DMZ Mont Dzumac 26.82 136 P Iamb Iamb 15 29 32.4

ARMA Armidale 27.36 170 P P 15 29 31.6 -1.4

STKA Stephens Creek 28.77 189 P P 15 29 43.4 -2.1

STKA Stephens Creek 28.77 189 P P 15 29 49.1 +3.5

STKA Stephens Creek 28.77 189 P P 15 29 51.0 +5.5

BBOO Buckleboo 30.93 197 P Iamb Iamb 15 30 02.3 -2.3

FORT Forrest 32.41 211 P P 15 30 16.3 -1.3

SIBU Sibiu 34.80 279 P Iamb Iamb 15 30 37.5 -1.2

GIRL Giralia 36.72 236 P P 15 30 53.0 +2.2

NJ2 Nanjing 43.94 325 eP pmax 15 31 56.0 -1.2

KSRS Korea Array 44.12 339 P P 15 31 55.1 -1.0

USRK Ussuriysk Arr 49.10 346 P P 15 32 35.0 0.0

YSS Yusho-Sakkhai 50.19 357 P P 15 32 43.9 +0.7

PHRA Phrae 50.51 297 P P 15 32 46.0 -0.2

CMAR Chiang Mai Arr 51.64 297 P P 15 32 54.8 0.0

PZH Panzhihua 52.48 307 P pmax pmax 15 33 03.5 +2.4

HHC Hu-ho-hao-te 54.35 328 eP P 15 33 16.9 +2.4

HHC comp=Z, 17nm, 0.8s 54.35 328 eP pmax pmax 15 33 16.9 +2.4

HHC comp=Z, 4um, 6.3s 54.35 328 eP pmax pmax 15 33 16.9 +2.4

SONM Songino Array 61.88 330 P P 15 34 06.6 -0.5

MK31 Makanchi Array 75.18 320 P P 15 35 29.8 -0.4

MK31 Makanchi Array 75.18 320 P P 15 35 30.4 +0.3

MAKZ Makanchi 75.38 320 P P 15 35 31.3 0.0

MAKZ comp=Z, 14nm, 1.4s 75.38 320 P Iamb Iamb 15 35 31.6

ZALV Zalesovo Beam 76.54 328 P P 15 35 37.5 -0.3

KURK Kurchatov 78.83 323 P Iamb Iamb 15 35 52.3 +1.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like PMG, WRA, ASAR, FITZ, CMAR, MKAR, ZALV, ILAR, BVAR.

IDC 17 15:28:06.3:1.1, 3:15S:0:1:146:6E:0.3, h10km, n12, s=198/11, mb4.1/9, Bismarck Sea

IDC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

ISC 17 15:28:09.4:1.4, 3:13S:146:58E, h0km, mb4.2/10, mbmp4.2/11, ML1.9/1, MS4.9/1, Error ellipse: s-maj=45.5km s-min=19.3km az=99.0

17d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like HNR Honiara, MTSU Mount Surprise, MTSU Sorong, etc.

2019 JAN

Table with columns for station name, frequency, power, and other technical details. Includes stations like BBOO Buclelebo, PSA00 Pilbara Seismi, PSA00 Pilbara Seismi, etc.

998

Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KKAR Karatay Array, NEAZ Nenana, SIMJ Simiganj, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, RAO Raulo Island, etc.

IDC 17 15:50:40.2, 2.2, 3.22S, 146.57E, h0km, mb3.8/4, mbtmp3.9/4, MS4.52, Error ellipse: s-maj=116.7km

s-min=30.6km az=113.0, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, RAO Raulo Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, etc.

IDC 17 15:52:00.9, 1.1, 3.13S, 146.56E, h0km, mb4.0/9, mbtmp4.1/11, ML2.7/2, Error ellipse: s-maj=40.3km

s-min=20.4km az=94.0

NEIC 17 15:52:02.7, 2.3, 3.15S, 0.08, 146.6E, 0.1, h10km, 1km, MEIC 17 15:52:02.7, 2.3, 3.15S, 0.08, 146.6E, 0.1, h10km, 1km, az=110.0

ISC 17 15:52:02.0, 6.3, 2.22S, 0.06, 146.54E, 0.10, h10km, n35, r1504/36, mb4.4/16, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MANU Manus Island, PMG Port Moresby, COEN Coen, WRAB Wrabbits Creek, WRA Warramunga Arr, etc.

IDC 17 15:56:11.7, 1.9, 1.02N, 62.70W, h137km, 16km, mb3.0/4, mbtmp3.7/6, Error ellipse: s-maj=32.2km s-min=21.6km

az=28.0

TRN 17 15:56:12.3, 1.0, 69N, 62.58W, h99km, MD3.9, Paria peninsula

FUNV 17 15:56:14.3, 1.0, 49N, 62.57W, h25km, MW4.2

ISC 17 15:56:10.3, 0.8, 1.02N, 62.55W, 0.04, h111km, gkm, n37, 2805/63, mb3.2/4, 1C-1, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TRN Trinidad (W), TRN Trinidad (E), TBH Brigand Hill, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DSLB Salisbury, CAICARA DEL OR, BEIN Bein, etc.

IDC 17 15:57:19.5, 8.2, 3.10S, 146.54E, h0km, mb3.1/2, mbtmp3.2/2, Error ellipse: s-maj=276.0km

s-min=34.7km az=98.0, Bismarck Sea

WRA Warramunga Arr 20.55 215 P P 16 01 59.6 -0.2

ASAR Alice Springs 23.82 210 P 16 02 34.8 +0.3

MKAR Makanchi Array 74.99 320 P 16 09 02.8 -0.1

AEIC 17 16:01:10.3, 1.2, 53.30N, 0.07, 165.86W, 0.08, h46km, gkm, Error ellipse: s-maj=9.8km s-min=6.4km az=170.0

NEIC 17 16:01:10.5, 1.1, 53.26N, 0.06, 165.81W, 0.03, h35km, 2km, ML2.6(AE/C), Error ellipse: s-maj=9.8km s-min=3.1km

az=346.0, Fox Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like UNV Unalaska Valle, NREP Makushin Rep, ZRO Akutan Zoo, etc.

MDD 17 16:14:15.2, 0.8, 35.09N, 3.55W, h21km, 6km, mb Lg2.9/2, Error ellipse: s-maj=9.0km s-min=3.3km az=172.0

CNRM 17 16:14:16.0, 35.23N, 3.45W, h17km, ML2.5

SFS 17 16:14:16.9, 35.14N, 3.47W, h18km, ML3.1/5, ML2.7/7, ML2.5/7

ISC 17 16:14:15.9, 1.0, 35.15N, 0.03, 348W, 0.02, h17km, gkm, n31, 0993/43, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PALE Palamas, GOG Mont Gurugu, EMEL Melilla, etc.

UGON	comp=Z,100nm,1.9s	IAMB	IAMB	17 09 04.3	
TAOE	Nuku Hiva Isla comp=Z,231nm,27.7s	eP	P	17 04 41.9 -4.9	
TAOE	comp=Z,408nm,26.8s	eS	S	17 14 12.9 -0.8	
TAOE	comp=Z,360nm,27.1s	eSS	SS	17 18 52.6 -2.1	
TAOE	comp=Z,2,2um,25.0s	eLR	LR	17 27 09.1	
MNGI	Mangalore comp=Z,97nm,1.2s	73.00 285	IAMB	IAMB	17 10 38.5
ASOR	Ausora comp=Z,3,2um,21.0s	73.15 301	eP	P	17 04 47.6 +0.3
MERT	Meserut comp=Z,2,4um,20.0s	73.23 301	eP	P	17 04 47.6 +0.2
MI1K	Mekoryuk comp=Z,2,4um,20.0s	73.31 22	IAMS_20	IAMS_20	17 34 29.8
MI1K	Mekoryuk bazz=230	73.31 22	P	P	17 04 47.9 +0.4
KLP	Kalpa comp=Z,51nm,2.5s	73.42 304	eP	P	17 04 49.3 0.0
KLP			IAMB	IAMB	17 09 24.4
KLP			eS	S	17 14 16.8 -1.6
JMIU	JAMIA UNIVERSI bazz=238	73.52 301	eP	P	17 04 49.3 -0.2
JMIU			eS	S	17 14 19.3 +0.4
LDR	Lodi Road	73.59 301	eP	P	17 04 51.4 +1.5
LDR			eS	S	17 14 25.0 +5.1
GAMB	Gambell bazz=224	73.75 18	P	P	17 04 50.5 +0.4
ZSN	Zaisan comp=Z,51nm,1.7s	73.78 322	eP	P	17 04 49.3 -1.3
ZSN			pmax	pmax	
ZSN	Zaisan comp=Z,51nm,1.7s	73.78 322	eP	P	17 04 49.4 -1.3
GNR	GANDAU	73.88 301	eP	P	17 04 53.4 +1.8
GNR			eS	S	17 14 27.0 +4.0
KUDL	Kanaur	74.11 300	eP	P	17 04 53.7 +0.7
KUDL			IAMB	IAMB	17 10 35.3
SMLA	comp=Z,44nm,2.0s	74.22 303	eP	P	17 04 51.7 -1.9
SMLA	Simia		IAMB	IAMB	17 12 24.4
CHGN	Chignik bazz=238	74.24 28	P	P	17 04 53.9 +0.9
GOA	Goa	74.31 287	eP	P	17 04 56.0 +1.7
GOA			IAMB	IAMB	17 12 26.8
MI13K	Dall Lake comp=Z,3,2um,20.0s	74.43 23	IAMS_20	IAMS_20	17 33 14.9
MI13K	Dall Lake bazz=233	74.43 23	P	P	17 04 54.9 +0.8
O14K	Tiguykaiuet M comp=Z,3,2um,20.0s	74.60 25	IAMS_20	IAMS_20	17 33 08.1
O14K	Tiguykaiuet M bazz=235	74.60 25	P	P	17 04 55.3 +0.2
VNDA	Vanda comp=Z,3.0nm,1.0s,bazz=147,slow=6.9,SNR=1.6	74.62 177	P	P	17 04 55.0 -0.1
VNDA			LR	LR	17 38 27.7
N14K	Kuskokwak Cree bazz=234	74.81 24	P	P	17 04 56.0 -0.3
K13K	Kusilvak Mount comp=Z,34nm,1.4s	74.88 22	P	P	17 04 57.1 +0.3
K13K			IAMB	IAMB	17 05 06.4
K13K			IAMS_20	IAMS_20	17 33 40.5
K13K	Kusilvak Mount bazz=231	74.88 22	P	P	17 04 57.0 +0.3
MK31	Makanchi Array	75.15 320	P	P	17 04 57.6 -1.1
MK31			IAMB	IAMB	17 05 03.8
MK31			pmax	pmax	
MK31			pmax	pmax	
MKAR	Makanchi Array comp=Z,7.9nm,0.9s,bazz=109,slow=6.6,SNR=36	75.15 320	P	P	17 04 57.9 -0.7
MKAR			LR	LR	17 37 45.2
MKAR			pmax	pmax	
MKAR			pmax	pmax	
O15K	Ungalikthiuk R bazz=236	75.16 25	P	P	17 04 58.7 +0.2
M14K	Bethel comp=Z,3,2um,20.0s	75.19 23	P	P	17 04 58.0 -0.7
M14K			IAMS_20	IAMS_20	17 35 40.5
M14K	Bethel bazz=234	75.19 23	P	P	17 04 58.8 +0.3
DHRM	DHARAMSHALA comp=Z,45nm,2.2s	75.20 304	eP	P	17 05 00.0 +0.5
DHRM			IAMB	IAMB	17 12 28.8
DHRM			eS	S	17 14 35.7 -2.4
L14K	Kuka Creek comp=Z,3,2um,22.0s	75.26 23	IAMS_20	IAMS_20	17 32 49.6
L14K	Kuka Creek bazz=233	75.26 23	P	P	17 04 58.9 0.0
CHIR	Chirikof Islan comp=Z,3,2um,20.0s	75.34 30	IAMS_20	IAMS_20	17 34 06.3
CHIR	Chirikof Islan bazz=241	75.34 30	P	P	17 04 59.8 +0.3
MAKZ	Makanchi	75.35 320	P	P	17 04 58.4 -1.4
MAKZ			IAMB	IAMB	17 05 06.8
MAKZ			pmax	pmax	
MAKZ			pmax	pmax	
MAKZ			MLR	MLR	
AJM	Ajmer comp=Z,2,2um,22.0s	75.38 298	eP	P	17 05 01.9 +1.5
AJM			IAMB	IAMB	17 10 16.6
AJM			eS	S	17 14 37.8 -2.2
N15K	Kwethluk River comp=Z,3,2um,22.0s	75.61 24	IAMS_20	IAMS_20	17 32 46.7
N15K	Kwethluk River bazz=232	75.61 24	P	P	17 05 01.2 +0.2
M15K	Kasigluk River bazz=235	75.66 24	P	P	17 05 01.7 +0.5
TIXI	Tiksi bazz=186,slow=44	75.69 354	P	P	17 05 00.4 -0.8
TIXI			LR	LR	17 47 58.1
TIXI			eP	P	17 05 01.9 +0.7
TIXI			pmax	pmax	
J14K	Nanvaranak Lak comp=Z,75nm,1.7s	75.79 21	P	P	17 05 02.6 +0.7
J14K			IAMB	IAMB	17 05 19.3
J14K			IAMS_20	IAMS_20	17 32 33.3
J14K	Nanvaranak Lak bazz=232	75.79 21	P	P	17 05 02.1 +0.2
SHLS	Shalkode	75.79 316	eP	P	17 04 59.8 -2.8
SHLS			pmax	pmax	
SHLS			pmax	pmax	
SHLS			pmax	pmax	
SHLS			pmax	pmax	
P16K	Nushagak River comp=Z,39nm,1.9s	75.79 316	eP	P	17 04 59.9 -2.8
L15K	Ungalak Mouta bazz=238	75.92 23	P	P	17 05 02.6 -0.1
UZZB	Uzynbulak comp=Z,43nm,1.7s	76.10 316	eP	P	17 05 03.4 -0.9
UZZB			pmax	pmax	
UZZB			pmax	pmax	
O16K	Kokwok River B comp=Z,3,2um,20.0s	76.13 26	IAMS_20	IAMS_20	17 34 05.0
O16K	Kokwok River B bazz=238	76.13 26	P	P	17 05 04.2 +0.2
TNA	Tin City bazz=227	76.16 18	P	P	17 05 04.1 +0.1
K15K	Wolf Creek Mou comp=Z,84nm,1.8s	76.27 22	P	P	17 05 04.3 -0.4
K15K			IAMB	IAMB	17 05 18.5
K15K			IAMS_20	IAMS_20	17 33 40.9
K15K			P	P	17 05 05.3 +0.6
O16K	King Salmon comp=Z,43nm,1.7s	76.29 27	P	P	17 05 05.6 +0.8
ANM	Nome comp=Z,39nm,1.5s	76.31 19	P	P	17 05 05.4 -0.4
ANM			IAMB	IAMB	17 05 23.9
ANM	Nome bazz=230	76.31 19	P	P	17 05 05.4 +0.5
ANM	Nome	76.31 19	P	P	17 05 04.5 -0.4

ANM	comp=Z,39nm,1.5s			pmax	pmax
ANM				MLR	MLR
N16K	comp=Z,4,2um,20.0s	76.33 25	P	P	17 05 05.3 +0.2
PRZ	Nisna Lake bazz=237	76.33 315	P	P	17 05 05.3 -0.4
PRZ	Przheval'sk comp=Z,3,2um,21.0s	76.33 315	P	P	17 05 05.3 -0.4
PRZ	Przheval'sk bazz=237	76.33 315	P	P	17 05 05.3 -0.4
PRZ	comp=Z,69nm,1.2s			MLR	MLR
SII	Sitkinak Islan comp=Z,2,1um,18.0s	76.40 29	IAMS_20	IAMS_20	17 36 06.3
SII	Sitkinak Islan bazz=242	76.40 29	P	P	17 05 06.0 +0.4
Q17K	Contact Creek bazz=240	76.43 27	P	P	17 05 05.2 -0.6
KPKS	Kokpek comp=Z,58nm,2.1s	76.43 316	eP	P	17 05 05.1 -1.0
KPKS			pmax	pmax	
KPKS	Kokpek comp=Z,58nm,2.1s	76.43 316	eP	P	17 05 05.2 -1.0
SATY	Saty comp=Z,62nm,2.1s	76.50 316	eP	P	17 05 05.6 -1.0
SATY			pmax	pmax	
SATY	Saty comp=Z,62nm,2.1s	76.50 316	eP	P	17 05 05.6 -1.0
ZAAO	Zalesovo Array comp=Z,9.0nm,0.8s,bazz=120,slow=35	76.50 328	P	P	17 05 04.1 -2.1
ZALV	Zalesovo Beam comp=Z,9.0nm,0.8s,bazz=108,slow=5.5,SNR=25	76.50 328	P	P	17 05 04.9 -1.3
ZALV			LR	LR	17 37 14.3
ZALV	Zalesovo Beam comp=Z,9.0nm,0.8s	76.50 328	P	P	17 05 07.5 +1.3
ZALV			pmax	pmax	
TARG	Taragay, Kyrgy comp=Z,20nm,1.1s	76.53 314	P	P	17 05 04.3 -2.9
TARG	Taragay, Kyrgy	76.53 314	P	P	17 05 04.3 -2.9
TARG			pmax	pmax	
TARG			MLR	MLR	
M16K	Timber Creek comp=Z,90nm,18.0s	76.55 24	IAMB	IAMB	17 05 24.7
M16K			IAMS_20	IAMS_20	17 32 06.8
M16K	Timber Creek comp=Z,3,2um,22.0s	76.55 24	P	P	17 05 06.5 +0.2
F14K	Arctic Creek bazz=229	76.60 18	P	P	17 05 07.2 +0.8
O17K	Koliganek Bris bazz=239	76.66 26	P	P	17 05 07.0 +0.1
SRGM	SRI GANGA NAGA comp=Z,3,2um,21.0s	76.72 302	eP	P	17 05 09.7 +1.8
L16K	Owhat River comp=Z,3,2um,21.0s	76.72 23	P	P	17 05 07.7 +0.5
L16K	Owhat River bazz=236	76.72 23	P	P	17 05 07.7 +0.5
N17K	Nushagak Hills comp=Z,3,2um,20.0s	77.02 25	IAMS_20	IAMS_20	17 36 54.2
N17K	Nushagak Hills bazz=238	77.02 25	P	P	17 05 09.0 +0.1
Q18K	Katmai Hardscr bazz=241	77.02 27	P	P	17 05 08.7 -0.4
G15K	Niukluk bazz=231	77.03 19	P	P	17 05 09.2 +0.3
TDK	Taldyqorghan comp=Z,33nm,1.2s	77.09 318	eP	P	17 05 09.2 -0.6
TDK			pmax	pmax	
TDK	Taldyqorghan comp=Z,33nm,1.2s	77.09 318	eP	P	17 05 09.2 -0.6
OHAK	Old Harbor comp=Z,33nm,1.2s	77.15 29	P	P	17 05 09.8 +0.1
J16K	Anvik River comp=Z,60nm,1.8s	77.19 22	P	P	17 05 09.8 -0.1
J16K			IAMB	IAMB	17 05 29.7
J16K			IAMS_20	IAMS_20	17 35 01.6
J16K	Anvik River bazz=235	77.19 22	P	P	17 05 10.5 +0.6
ARXS	Arhary comp=Z,7,1um,20.2s,bazz=86,slow=36	77.25 317	eP	P	17 05 09.9 -0.8
KSH	Kashi comp=Z,7.9nm,0.9s	77.26 312	eP	P	17 05 12.3 +1.3
KSH			pP	pP	17 05 16.8 +0.7
KSH			SS	SS	17 15 02.8 +2.5
KSH			SS	SS	17 20 03.5 +4.8
KSH			pmax	pmax	
KSH	comp=Z,19nm,2.3s			pmax	pmax
KSH	comp=Z,740nm,16.3s			LR	LR
KSH	comp=Z,2,2um,20.4s			LR	LR
KSH	comp=Z,2,2um,20.6s			LR	LR
F15K	North Star Dit comp=Z,3,2um,22.0s	77.28 19	IAMS_20	IAMS_20	17 33 44.0
F15K	North Star Dit bazz=230	77.28 19	P	P	17 05 11.2 +0.8
P18K	Big Mountain, comp=Z,3,2um,22.0s	77.28 26	IAMS_20	IAMS_20	17 33 22.2
P18K	Big Mountain, bazz=240	77.28 26	P	P	17 05 09.9 -0.7
M17K	Hlitna River bazz=238	77.37 24	P	P	17 05 10.5 -0.5
H16K	Ellim bazz=233	77.41 20	P	P	17 05 10.8 -0.3
L17K	Donlin bazz=237	77.42 23	P	P	17 05 11.2 0.0
MDOK	Medeo comp=Z,1um,21.5s,bazz=92,slow=31	77.48 315	eP	P	17 05 11.2 -0.9
MDOK	Medeo	77.48 315	eP	P	17 05 11.3 -0.9
I17K	Unalakleet comp=Z,66nm,1.7s	77.51 21	IAMB	IAMB	17 05 28.3
I17K	comp=Z,3,2um,21.0s			IAMS_20	IAMS_20
I17K	Unalakleet bazz=235	77.51 21	P	P	17 05 12.0 +0.4
TNSS	Tian-Shan comp=Z,1um,21.5s,bazz=92,slow=31	77.51 315	eP	P	17 05 11.3 -1.3
TNSS	Tian-Shan	77.51 315	eP	P	17 05 11.4 -1.3
O18K	Koktuh Hills comp=Z,3,2um,22.0s	77.52 26	IAMS_20	IAMS_20	17 33 53.5
O1					

17d 16h

C18K	Utukok River	80.17	17	Iamb	Iamb	17 05 29.8
C18K	comp=Z,3um,21.0s			IAMS_20	IAMS_20	17 36 16.9
C18K	Utukok River	80.17	17	P	P	17 05 26.2 -0.1
F19K	Shaleruckik Mo	80.19	19	P	P	17 05 26.0 -0.3
F19K	comp=Z,3um,20.0s			IAMS_20	IAMS_20	17 36 48.7
F19K	Shaleruckik Mo	80.19	19	P	P	17 05 26.6 +0.3
SEW	Seward	80.21	27	P	P	17 05 25.8 -0.8
SUA	Susitna One	80.22	26	P	P	17 05 26.1 -0.7
SUA	comp=Z,2um,20.0s			IAMS_20	IAMS_20	17 37 11.7
SUA	Susitna One	80.22	26	P	P	17 05 26.1 -0.7
O22K	Cooper Landing	80.25	27	P	P	17 05 26.3 -0.4
PLLA	Purkeypile	80.26	24	P	P	17 05 26.9 -0.1
I20K	Naagheadneel	80.28	22	P	P	17 05 27.4 +0.7
FIS	Fire Island	80.31	26	IAMS_20	IAMS_20	17 35 31.7
DRK	Karamyk	80.39	311	P	P	17 05 26.3 -2.1
DRK	comp=Z,41nm,0.3s					17 05 26.3 -2.1
DRK	Karamyk	80.39	311	P	P	17 05 26.3 -2.1
B18K	Kokolik River	80.43	16	P	P	17 05 28.1 +0.6
H20K	Anotleneega Mo	80.48	21	P	P	17 05 28.2 +0.2
RC01	Rabbit Creek A	80.50	26	Iamb	Iamb	17 05 35.0
RC01	comp=Z,4nm,1.1s					
RC01	Rabbit Creek A	80.50	26	P	P	17 05 27.4 -0.7
CAST	Castle Rocks	80.54	24	IAMS_20	IAMS_20	17 36 15.0
CAST	comp=Z,3um,21.0s					
CAST	Castle Rocks	80.54	24	P	P	17 05 27.9 -0.4
M22K	Willow	80.61	26	IAMS_20	IAMS_20	17 36 03.2
M22K	comp=Z,2um,22.0s					
M22K	Willow	80.61	26	P	P	17 05 28.0 -0.7
CHUM	Lake Minchumin	80.66	23	P	P	17 05 29.1 +0.1
E19K	Redstone River	80.71	19	IAMS_20	IAMS_20	17 36 44.6
CUT	Chulitna	80.83	25	P	P	17 05 29.4 -0.5
CUT	comp=Z,3um,20.0s					
CUT	Chulitna	80.83	25	P	P	17 05 30.0 +0.1
PMR	Palmer	80.97	26	Iamb	Iamb	17 05 37.3
PMR	comp=Z,52nm,1.5s					
PMR	Palmer	80.97	26	P	P	17 05 29.7 -0.9
F20K	Avaraat Lake	80.99	20	IAMS_20	IAMS_20	17 36 44.0
F20K	comp=Z,3um,21.0s					
F20K	Avaraat Lake	80.99	20	P	P	17 05 30.8 +0.2
PWL	Port Wells	81.03	27	Iamb	Iamb	17 05 38.5
PWL	comp=Z,35nm,1.0s					
PWL	Port Wells	81.03	27	P	P	17 05 30.7 -0.3
KTH	Kantishna Hill	81.07	24	Iamb	Iamb	17 05 30.4 -0.8
KTH	comp=Z,41nm,1.2s					
KTH	Kantishna Hill	81.07	24	Iamb	Iamb	17 05 38.6
GHO	Glory Hole Cre	81.14	26	Iamb	Iamb	17 05 56.3
GHO	comp=Z,90nm,1.8s					
GHO	Glory Hole Cre	81.14	26	Iamb	Iamb	17 37 13.0
A19K	Wainright	81.14	16	P	P	17 05 32.0 +0.7
KNK	Knik Glacier	81.19	26	Iamb	Iamb	17 05 52.4
KNK	comp=Z,51nm,1.4s					
KNK	Knik Glacier	81.19	26	P	P	17 37 34.6
KNK	comp=Z,3um,20.0s					
KNK	Knik Glacier	81.19	26	P	P	17 05 31.4 -0.4
BTK	Batken	81.25	311	Iamb	Iamb	17 05 46.5
TRF	Thorofore Moun	81.28	24	IAMS_20	IAMS_20	17 37 09.8
TRF	comp=Z,4nm,1.5s					
TRF	Thorofore Moun	81.28	24	P	P	17 05 31.3 -1.1
BPAW	Bear Paw Mtn.	81.28	23	IAMS_20	IAMS_20	17 36 56.6
BPAW	comp=Z,3um,21.0s					
BPAW	Bear Paw Mtn.	81.28	23	P	P	17 05 32.7 +0.4
H21K	Melozitna Rive	81.31	21	IAMS_20	IAMS_20	17 37 07.6
H21K	comp=Z,3um,21.0s					
H21K	Melozitna Rive	81.31	21	P	P	17 05 32.3 -0.1
I23K	Tanana	81.39	22	P	P	17 05 33.5 +0.7
SML	Sawmill	81.41	26	P	P	17 05 32.5 -0.5
SML	comp=Z,45nm,1.0s					
SML	Sawmill	81.41	26	P	P	17 05 32.3 -0.7
GAR	Garm	81.42	310	P	P	17 05 32.2 -1.5
DZA	Taraz	81.47	314	eP	P	17 05 33.0 -0.7
DZA	comp=Z,3um,21.0s					
DZA	Taraz	81.47	314	eP	P	17 05 33.0 -0.7
E20K	Nigu River	81.47	18	P	P	17 05 33.8 +0.5
D20K	Etiyuk River	81.58	18	P	P	17 05 34.1 +0.3
GLI	Glacier Island	81.59	27	P	P	17 05 33.1 -0.9
GLI	comp=Z,3um,20.0s					
GLI	Glacier Island	81.59	27	P	P	17 05 34.0 0.0
M23K	Glacier View	81.67	26	P	P	17 05 34.0 -0.3
F21K	Alatna River	81.83	20	P	P	17 05 35.3 +0.2
RND	Reindeer	81.84	24	Iamb	Iamb	17 05 42.1
SCM	Sheep Creek Mo	81.86	26	Iamb	Iamb	17 05 43.2
SCM	comp=Z,28nm,1.0s					
SCM	Sheep Creek Mo	81.86	26	P	P	17 05 34.9 -0.5
BWN	Browne	81.92	23	IAMS_20	IAMS_20	17 37 08.1
MCK	McKinley	81.94	24	P	P	17 05 35.8 0.0
H22K	Ishlitalna Cre	81.95	21	P	P	17 05 35.9 +0.2
EYAK	Cordova Ski Ar	82.08	27	P	P	17 05 36.7 +0.2
KK31	Karatay Array	82.10	314	iP	P	17 05 35.9 -1.1
KKAR	Karatay Array	82.10	314	Iamb	Iamb	17 05 35.4 -1.7
KKAR	comp=Z,31nm,1.4s					
KKAR	Karatay Array	82.10	314	P	P	17 05 35.4 -1.7
B20K	Meade River	82.12	17	IAMS_20	IAMS_20	17 39 40.8
B20K	comp=Z,3um,20.0s					
B20K	Meade River	82.12	17	P	P	17 05 36.9 +0.4
BRZS	Berezni	82.22	321	eP	P	17 05 37.0 -0.5
BRZS	comp=Z,64nm,2.0s					
BRZS	Berezni	82.22	321	eP	P	17 05 37.1 -0.5
CHGR	Chuyangaron	82.24	310	P	P	17 05 36.6 -1.4
CHGR	comp=Z,64nm,2.0s					
CHGR	Chuyangaron	82.24	310	P	P	17 05 36.6 -1.4
NEA2	Nenana	82.25	23	IAMS_20	IAMS_20	17 37 06.2
NEA2	comp=Z,2um,21.0s					
NEA2	Nenana	82.25	23	P	P	17 05 36.4 -1.0
IUG	Iuzhnay	82.25	313	eP	P	17 05 37.2 -0.8

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IUG	comp=Z,66nm,1.8s					
IUG	Iuzhnay	82.25	313	eP	P	17 05 37.2 -0.8
E21K	Killik River	82.27	19	IAMS_20	IAMS_20	17 37 34.9
E21K	comp=Z,3um,21.0s					
E21K	Killik River	82.27	19	P	P	17 05 37.5 +0.1
KLU	Klutina	82.35	27	Iamb	Iamb	17 05 44.0
KLU	comp=Z,22nm,1.0s					
KLU	Klutina	82.35	27	P	P	17 05 21.2
SIMJ	Simiganj	82.36	310	P	P	17 05 35.3 -3.1
SIMJ	comp=Z,55nm,1.7s					
SIMJ	Simiganj	82.36	310	Iamb	Iamb	17 05 49.5
G22K	Bettles	82.37	21	P	P	17 05 38.6 +0.7
I23K	Minto, Yukon-K	82.37	23	IAMS_20	IAMS_20	17 37 41.3
I23K	comp=Z,4um,22.0s					
I23K	Minto, Yukon-K	82.37	23	P	P	17 05 38.0 +0.1
C21K	Knifeblade Rid	82.38	18	P	P	17 05 38.7 +0.8
M24K	Tolsona, Glenn	82.47	26	Iamb	Iamb	17 05 45.6
M24K	comp=Z,25nm,0.9s					
M24K	Tolsona, Glenn	82.47	26	P	P	17 05 53.2
M24K	comp=Z,3um,21.0s					
M24K	Tolsona, Glenn	82.47	26	P	P	17 05 38.5 -0.1
BRLS	Borolday	82.57	314	eP	P	17 05 38.6 -0.9
BRLS	comp=Z,47nm,2.0s					
BRLS	Borolday	82.57	314	eP	P	17 05 38.6 -0.9
NR1K	Noril'sk	82.58	342	Iamb	Iamb	17 05 38.1 -0.9
NR1K	comp=Z,40nm,1.1s					
NR1K	Noril'sk	82.58	342	P	P	17 05 38.0 -0.9
NR1K	comp=Z,7.9nm,0.9s,baz=114,slow=6.0,SNR=15					
NR1K	Noril'sk	82.58	342	P	P	17 05 38.1 -0.9
NR1K	comp=Z,40nm,1.1s					
NR1K	Noril'sk	82.58	342	P	P	17 05 38.1 -0.9
WRH	Wood River	82.59	23	Iamb	Iamb	17 05 45.9
WRH	comp=Z,28nm,1.1s					
WRH	Wood River	82.59	23	IAMS_20	IAMS_20	17 39 50.1
CBM	Bremner River	82.76	27	P	P	17 05 39.4 -0.7
CBM	comp=Z,2um,20.0s					
CBM	Bremner River	82.76	27	P	P	17 05 39.4 -0.7
CCB	Clear Creek Bu	82.77	23	Iamb	Iamb	17 05 46.1
CCB	comp=Z,32nm,1.2s					
CCB	Clear Creek Bu	82.77	23	IAMS_20	IAMS_20	17 38 54.9
G23K	Bananza Creek	82.80	21	P	P	17 05 39.9 -0.3
E22K	Anaktuvuk Pass	82.83	19	Iamb	Iamb	17 05 51.6
E22K	comp=Z,45nm,1.6s					
E22K	Anaktuvuk Pass	82.83	19	P	P	17 05 39.8 -0.5
COLA	College	82.84	23	P	P	17 05 39.1 -1.2
COLA	comp=Z,26nm,1.1s					
COLA	College	82.84	23	Iamb	Iamb	17 05 46.4
COLA	comp=Z,2um,21.0s					
COLA	College	82.84	23	P	P	17 05 39.5 -0.8
COLA	comp=Z,2um,21.0s					
COLA	College	82.84	23	iP	P	17 05 39.5 -0.8
D22K	Aiyikay River	82.90	19	Iamb	Iamb	17 06 01.0
D22K	comp=Z,28nm,1.2s					
D22K	Aiyikay River	82.90	19	Iamb	Iamb	17 06 01.0
D22K	comp=Z,45nm,1.4s					
D22K	Aiyikay River	82.90	19	IAMS_20	IAMS_20	17 38 08.5
D22K	comp=Z,3um,22.0s					
D22K	Aiyikay River	82.90	19	P	P	17 05 40.7 +0.1
D22K	comp=Z,45nm,1.6s					
D22K	Aiyikay River	82.90	19	P	P	17 05 40.9 -0.1
N25K	Chitina, Valde	82.98	27	P	P	17 05 41.2 -0.1
N25K	comp=Z,56nm,1.9s					
N25K	Chitina, Valde	82.98	27	P	P	17 05 41.1 -0.2
A21K	Barrow	82.99	16	P	P	17 05 40.8 -0.2
HARP	HARPA	83.02	26	P	P	17 05 40.0 -1.4
HARP	comp=Z,49nm,1.4s					
HARP	HARPA	83.02	26	P	P	17 05 40.0 -1.4
HDA	Harding Lake	83.02	24	Iamb	Iamb	17 05 57.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like F28M Old Crow, F28M Old Crow, F28M Old Crow, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like C36M Paulatuk, C36M Paulatuk, B08A Colville Reser, etc.

Table with columns: ID, Name, Date, Time, Location, Status, etc. Includes entries like 435B Jarrell, UNM Universidad Na, N38A Joes South For, etc.

17d 17h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NHSC New Hope, WUPA West Chester U, X58A Rowley, Y58A Scranton, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, YKA Yellowknife Arr, TORO Torodi Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like COEN Charters Tower, MTN Warramunga Arr, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EIDS Eidsvoild, SOEI Soe, AS31 Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, PZH Panzhihua, HHC Hu-ho-hao-te, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WMQ Urumqi, MK31 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, BVAR Borovoye Array, TORO Torodi Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JHJC Hachiojimakas, JHJ2 Mitsune, JHJ3 Mitsune, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BS03 Boso 3, BS02 Oshima 3, JIM2 Izushimoda, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MAJ0 Matushiro, MAJ1 Matushiro, MAJ2 Matushiro, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, FINES FINESS Array B, AKASG Malin Array Be, HFS Hagfors, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KRSR Kora Area, SONM Songo Array, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SMDR Samana, DR, SMDR Miches, MIDR Punta Cana, DR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like RUDO, ARG, GRUS, ZAGS, BLSL, BBLs, MANT, DIVS, BORSZ, HAPS, ELAND, INTR, KUBS, PUNG, TEKS, TEKS, VLAD, ZIMR, ZIMR, CTYL, MDRV, MDRV, SLUM, HERR, YLV, CAMP, ELL, ELL, A050A, FRGS, BLY, HUMR, SGR, BANR, NRCA, A051A, GZR, GZR, FDMO, CESX, BZS, BZS, LOT, SURR, SULR, MTUR, MTUR, ARR, VOIR, VOIR, MDUB, ISR, ISR, MORH, MLR, MLR, BOJS, BOJS, BOJS, NEHR, DOPR, VSL, CRES, COVR, OQSS, DRGR, DRGR, OZUR, SPBR, SWA2, SWA2, KESR, KESR, SKDS, CEY, PLOR, PLOR, VRI, VRI, VRI, CFR, CFR, GHR, ARCH, VLD, TESR, SOKA, OBKA, OBKA, OBKA, PSZ, PSZ, PSZ, ARSA, ARSA, BR131, BR131, BRTR, BRTR, BRTR, MYKA, MYKA, BURAR, BURAR, KIRS, BUR08, RONA, CSS, CMO, CTI, CTI, CONA, KBA, KBA, NSLU, ABTA, ABTA, MOA, MOA, MOA, BIAO, BIAO.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like DBIC Dimbokro, DBIC Dimbokro, DBIC Dimbokro, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KEST Celeste, KEST Celeste, KEST Celeste, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like INK Inuvik, INK Inuvik, INK Inuvik, etc.

17d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CNB Canberra, CAN Canberra, CANC Canberra, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TAFS Resolution Isl, RLNS Resolution Isl, RLNS Resolution Isl, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RES comp=Z,2.0nm,0.8s,baz=11,slow=15,SNR=7.0, HFS Hagfors, NRIK Noril'sk, etc.

WEL 17:22:32:28.5±0.8, 45°S±1.6, 147°E±1.6, h64km±8km, M3.6/7, ML3.8/8, MLV3.6/7, Error ellipse: s-maj=6.5km s-min=4.1km az=117.2, South Island

ARCES ARCESS Array B 12.97 132 Pn Pn 22 57 50.2 +1.5 comp=Z,1.3nm,0.3s

IDC 17:23:11:28.4±0.6, 3.37N:128°63'E, h0km, mb4.1/17, mbmp4.2/19, ML4.5/2, MS3.6/15, Error ellipse: s-maj=24.4km s-min=12.1km az=79.0

ISC 17 23:11:30.7,0.4,3.45N,0.05,128.80E,0.07,h10km,n99,
+143.91,mb4.5,MS3.6/12, North of Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TMTI Ternate, TMTI Davao City (W), DAV Davo City (W), SWI Sorong, KMSI Cibinong, SANI Sanana, FAKI Fak Fak, MRSI Marisa, LUWI Luwuk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NIL Nilore, KDJ Kajisay, URZ Urewera, ZALV Zalesovo Beam, AAK Ala-Archa, KURBB Kurchatov Arr, GAR Garm, CHGR Chuyangarr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Arr, KURBB Kurchatov Arr, ILAR Eielson Array, WRA Warramunga Arr, YKA Yellowknife Arr, AKASG Main Array, etc.

CATAC 18 00:07:46.7,0.8,10°N,4°E, h0km, M4.0/10,
ML4.0/10, Error ellipse: s-maj=15.2km s-min=8.9km
az=83.7

NEIC 18 00:07:48.9,0.8,11°26'N,0°08'56'W, h176km,7km,
mb4.2/9, Error ellipse: s-maj=14.2km s-min=8.8km
az=49.0

UCR 18 00:07:48.9,0.9,11°32'N,85°65'W, h171km,10km, MW4.0
IDC 18 00:07:48.9,0.8,11°17'N,85°57'W, h184km,16km, mb3.4/5,
mbtmp3.9/7, Error ellipse: s-maj=45.3km s-min=20.3km
az=20.0

SNET 18 00:07:51.8,1.0,11°16'N,85°85'W, h136km,71km, ML4.0
ISC 18 00:07:48.5,0.7,11°27'N,0°06'56'W, h182km,6km,
n76,+c125/86,mb4.0/9,1C-2D,Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LCRUZ Las Juntas de, JAPN AI SSO del Vol, ARIN Rivas, VRLE La Escondida, GPSS Hotel Rincon d, etc.

IDC 18 00:47:22.4±1.2, 37°73'N-20°69'E, h0km, mb3.7/9, mbmp3.7/11, ML1.1/2, MS3.1/2, Error ellipse: s-maj=23.7km s-min=22.5km az=173.0

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like LTHK, Kipseli, Orthones, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like SMHA, DMLN, RLS, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like DRO, EVGI, DRAG, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like ANX, GUR, KALE, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like BARS, VTS, SELS, etc.

comp=E,1.6nm,0.8s KURBB Kurchatov Arra 42.36 53 P 00 55 18.9 +0.9

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like MKAR, ZALV, etc.

KRSC 18 00:50:09.2±1.2, 55°87'N-164°42'E, h16km±16km, MI3.5, Komandorskiy Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like KBTR, KBG, Bering, etc.

ATH 18 01:14:48.9±37.65N-20°65'E, h18km±1km, ML1.7/5, Manual Solution by M. Koligri This location: 2020/07/02

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like LTHK, ORTH, KYPS, etc.

SHL SHL comp=N,52nm,0.1s eS IAML Sn 01 20 11.2 -9.5

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like KURBB, KURK, etc.

KBL KBL 16.38 263 P P 01 18 48.2 +0.3

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like ULN, BTO, etc.

BVAO BVAO 19.57 325 P P 01 19 17.2 -5.4

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res. Includes stations like BRVK, HNS, etc.

ARCES ARCES Arr B 45.50 334 P P 01 23 14.4 +0.9

ASAR Alice Springs 74.67 138 P P 01 26 34.2 +0.3
FRB Frobbisher Bay 76.80 350 LR LR 02 06 42.9
YKA Yellowknife Ar 77.87 11 P 01 26 51.9 +0.3
TORD Torodi Ar. Bea 79.80 279 S P 01 27 03.1 +0.2

ATH 18 01:15:07.1,37.70N:20.83E,h17km,2km,ML3.1/1, Error ellipse: s-maj=7.7km s-min=2.4km az=230.0, Ionian Sea
Code Station Name Az Az' Phase ID Time Res

SOME 18 01:22:41.5, 43.25N:78.75E, h5km
NMC 18 01:22:41.3, 0.5, 43.25N:78.77E, h0km, mpv2.7, Error ellipse: s-maj=4.1km s-min=3.2km az=9.0

ISC 18 01:22:40.1, 3.4326N:0.05:78.75E:0.04, h17km, 11km, n6, 0:03/12, 1C-1D, Lake Issyk-Kul region
Code Station Name Az Az' Phase ID Time Res

NEIC 18 01:27:39.1, 1.2, 5.98N:0.09:126.7E:0.2, h73km, 5km, mb4.2/12, Error ellipse: s-maj=25.8km s-min=9.1km az=69.0

ISC 18 01:27:39.3, 3.3, 6.02N:126.88E, h83km, 27km, mb3.4/7, mbtmp3.8/7, Error ellipse: s-maj=60.6km s-min=16.9km az=65.0

ISC 18 01:27:38.5, 0.7, 5.95N:0.07:126.8E:0.1, h73km, n27, 0:1501/30, mb4.0/14, Mindanao

Code Station Name Az Az' Phase ID Time Res
DAV Davao City (W) 1.62 313 Op P 01 28 04.8 +0.4
DAV Davao City (E) 1.62 313 P P 01 28 06.0 +0.8
DAV 544 11m, 0.4s, bazz=113, slow=7.7, SNR=7.1 S Pn 01 28 27.8 +2.4

Code Station Name Az Az' Phase ID Time Res
FITZ Fitzroy Crossi 23.93 183 P P 01 32 44.5 -1.4
WBO Warramunga Arr 26.64 164 P Iamb Iamb 01 33 13.9 -0.8
WRA Warramunga Arr 26.79 164 P P 01 33 11.8 0.0
WB2 Warramunga Arr 26.79 164 P P 01 33 11.3 -0.6
ASAR Alice Springs 30.25 167 P P 01 33 43.6 +0.9

Code Station Name Az Az' Phase ID Time Res
BBOO Buckleboe 39.55 168 P P 01 35 02.4 -0.1
NWAO Narragin (SRO) 39.72 193 P P 01 35 05.1 +1.2
SONM Songoing Array 45.22 341 P P 01 35 49.9 +1.3

Code Station Name Az Az' Phase ID Time Res
MK31 Makanchi Array 55.77 324 P P 01 37 07.5 -0.5
MKAR Makanchi Array 55.77 324 P P 01 37 07.3 -0.7
MKAR Makanchi Array 55.77 324 P P 01 37 07.6 +0.4

Code Station Name Az Az' Phase ID Time Res
ILAR Eielson Array 83.09 26 P P 01 39 55.0 -1.0
ARCES ARCESS Array B 88.39 340 P P 01 40 20.2 -1.9

PGC 18 01:34:41.3, 0.8, 49.20N:130.00W, h10km, MLSn3.3/18, Mw3.9/18, 248km Wsw of Pt. Hardy, Bc Vancouver Island, Canada Region

NEIC 18 01:34:44.9, 1.9, 49.56N:108.129:8W:0.1, h10km, 2km, mb4.1/7, Error ellipse: s-maj=17.0km s-min=11.5km az=234.0

ISC 18 01:34:44.6, 1.0, 49.47N:0.07:129.74W:0.07, h10km, n72, 0:1544/63, MS3.4/7, Vancouver Island region

Code Station Name Az Az' Phase ID Time Res
BPBE Brooks Peninsula 1.45 61 S Pn 01 35 29.3 -0.7
NCHR NEPTUNE Canada 1.56 164 P P 01 35 04.0 -8.0

PHC Port Hardy 1.94 49 Pn Pn 01 35 16.9 -0.7
PHC 01 35 41.6 -0.2
GDR Gold River 2.43 81 Pn S 01 35 22.8 -1.5

Code Station Name Az Az' Phase ID Time Res
BBB Bella Bella 2.91 20 Pn S 01 35 30.4 -0.5
BBB 25m, 0.3s, bazz=213, slow=11, SNR=212 S Pn 01 35 30.2 -0.6

NEW 2.109m, 20.5s, bazz=266, slow=4.0, 1.3m, 0.4s

ILAR Eielson Array 17.84 336 P P 01 38 54.9 +1.6

BPAAW Bear Paw Mtn. 18.57 330 P Iamb Iamb 01 39 07.8 +1.3

INX Inuvik 18.99 356 P P 01 39 02.7 +1.3

J18K Innoko River 20.24 324 P Iamb Iamb 01 39 20.0 -1.5

K17K Iditarod 20.50 321 P Iamb Iamb 01 39 22.0 -0.5

ULM Lac du Bonnet 21.74 75 P P 01 39 37.7 +1.8

ANMO Albuquerque 22.41 122 LR LR 01 48 02.8

SADO Sadoway 34.22 78 LR LR 01 55 47.8

TKL Tuckaleechee C 35.99 95 LR LR 01 56 04.3

MA2 Magadan 44.52 314 LR LR 01 59 18.6

H1N2 WAKE ISLAND Hy 58.00 263 T T 02 47 08.6

H1N3 WAKE ISLAND Hy 58.00 263 T T 02 47 08.6

H1N1 WAKE ISLAND Hy 58.02 263 T T 02 47 08.6

KIRV Kirov 72.31 0 LR LR 02 23 19.2

ZALV Zalesovo Beam 72.92 339 LR LR 02 21 46.7

ISC 18 01:58:49.3, 1.6, 10.135N:118.77E, h0km, mb3.6/3, mbtmp3.8/6, ML4.1/4, MS2.9/2, Error ellipse: s-maj=53.1km s-min=21.6km az=47.0

NEIC 18 01:58:51.9, 2.4, 9.8S:0.1:119.0E:0.1, h10km, 1km, mb4.0/7, Error ellipse: s-maj=20.8km s-min=17.4km az=264.0

DJA 18 01:58:54.7, 0.5, 10.5S:4.119E, h15km, 3km, M4.4/19, mb5.1/2, mb4.5/9, MLV4.3/19, Mw(mB)4.5/2

ISC 18 01:58:50.6, 0.6, 9.98S:0.06:118.97E:0.04, h10km, n51, 0:197/43, mb3.9/6, Sumbawa region

Code Station Name Az Az' Phase ID Time Res
WBSI Waikabubak, Su 0.53 51 Op P 01 59 07.4 +0.3

WBSI Waiwangupa 1.34 77 P P 01 59 14.3 -1.1

BASI Baing, Sumba 1.60 99 P P 01 59 18.8 -0.2

PLAI Plampang 1.64 314 P P 01 59 23.3 +1.1

PLAI Taliwang, Sumb 2.40 301 S S 01 59 48.4 +4.9

TWSI Maumere 3.49 68 Pn Pn 01 59 05.9 -2.2

MMRI Maumere 3.49 68 Pn Pn 01 59 47.3 -0.3

BSSI Bau Bau, Buton 4.10 22 P P 01 59 54.9 +1.5

SRTI Sangiraja 4.15 237 P P 02 00 01.1 -3.9

BATI Baunata 4.62 93 P P 02 00 02.2 +1.5

JAJG Jajag, Banyuwa 4.99 287 P P 02 00 11.4 +5.7

JAJG Jajag, Banyuwa 4.99 287 P P 02 00 11.5 +5.9

KAPI Kappang 4.99 9 Pn Pn 02 00 09.7 +4.0

KAPI Kappang 4.99 9 Pn Pn 02 00 08.9 +3.3

KAPI Asem Bagus 5.16 294 P P 02 00 14.4 +6.3

SOEI Soe 5.22 88 P P 02 00 10.9 +1.9

SOEI Soe 5.22 88 P P 02 00 08.8 -0.2

BBSI Bau Bau 5.71 39 Pn Pn 02 00 15.7 +0.1

GMJI Gumukmes 5.72 287 P P 02 00 20.9 +5.3

BLJI Banyuglugur 5.76 292 P P 02 00 23.0 +6.8

PWJI Pagerwojo 7.34 285 P Pn 02 00 46.1 +8.1
PCJF Pacitan 7.90 282 P Pn 02 00 52.9 +7.3
FITZ Fitzroy Crossi 10.34 142 Pn LR 02 01 21.5 +2.3

Code Station Name Az Az' Phase ID Time Res
WRA Warramunga Arr 17.83 126 P Pn 02 02 58.5 -0.6

Code Station Name Az Az' Phase ID Time Res
WB2 Warramunga Arr 17.84 125 P Iamb Iamb 02 02 59.4 +0.2

Code Station Name Az Az' Phase ID Time Res
AS31 Alice Springs 19.71 136 P P 02 03 22.8 +2.3

Code Station Name Az Az' Phase ID Time Res
NWAO Narragin (SRO) 22.89 184 P P 02 03 55.1 +0.5

Code Station Name Az Az' Phase ID Time Res
CMAR Chiang Mai Arr 34.48 325 LR LR 02 21 14.3

Code Station Name Az Az' Phase ID Time Res
H0S2 Diego Garcia H 45.96 269 T T 02 56 45.0

Code Station Name Az Az' Phase ID Time Res
H0S3 Diego Garcia H 45.97 269 T T 02 56 46.3

Code Station Name Az Az' Phase ID Time Res
H0S1 Diego Garcia H 45.98 269 T T 02 56 39.3

Code Station Name Az Az' Phase ID Time Res
SONM Songoing Array 58.63 350 P P 02 08 49.2 +1.1

Code Station Name Az Az' Phase ID Time Res
MK31 Makanchi Array 65.31 333 P Iamb Iamb 02 09 32.2 -0.7

Code Station Name Az Az' Phase ID Time Res
MKAR Makanchi Array 65.31 333 P P 02 09 33.4 +0.5

Code Station Name Az Az' Phase ID Time Res
KKAR Karatay Arra 68.83 324 P P 02 09 56.2 +0.9

Code Station Name Az Az' Phase ID Time Res
ABKAR Akbulak array 78.34 325 P P 02 10 50.4 -0.7

Code Station Name Az Az' Phase ID Time Res
HAL Halmahera 145.40 3 P P 02 18 26.5 -2.5

Code Station Name Az Az' Phase ID Time Res
W50A Signal Mount 146.53 38 P P 02 18 30.3 -1.2

Code Station Name Az Az' Phase ID Time Res
Q56A Snyder Ridge 146.82 26 P P 02 18 30.6 -1.1

Code Station Name Az Az' Phase ID Time Res
S54A Dingess, Beckl 146.82 30 P P 02 18 31.7 -0.2

TEH 18 02:13:42.3, 26.95N:53.95E, h12km, 88km
OMAN 18 02:13:47.6, 0.2, 26.83N:53.90E, h10km, ml2.7/11, Error ellipse: s-maj=5.2km s-min=2.7km az=3.0

ISC 18 02:13:43.7, 2.2, 27.06N:0.08:53.93E:0.07, h1km, 20km, n20, 0:1504/29, Southern Iran

Code Station Name Az Az' Phase ID Time Res
LAR1 LAR 0.72 33 P P 02 13 58.5 -0.6

Code Station Name Az Az' Phase ID Time Res
LMD1 Lamerd 0.74 292 P P 02 13 57.7 -0.1

Code Station Name Az Az' Phase ID Time Res
JHRM Jahrom 1.47 348 P P 02 14 11.8 -0.1

Code Station Name Az Az' Phase ID Time Res
QIR1 Qir 1.61 331 P P 02 14 14.7 -0.1

Code Station Name Az Az' Phase ID Time Res
SHME Shamm 2.22 117 P S 02 14 21.5 -0.2

Code Station Name Az Az' Phase ID Time Res
BANOM Banah 2.41 118 P P 02 14 24.0 -0.2

Code Station Name Az Az' Phase ID Time Res
NAZ Nawza, Dubai 2.59 143 P P 02 14 28.3 +1.6

Code Station Name Az Az' Phase ID Time Res
MASF Masafi 2.62 130 P S 02 14 28.2 +1.1

Code Station Name Az Az' Phase ID Time Res
UOSS Minazif 2.94 135 P P 02 14 32.1 +0.6

Code Station Name Az Az' Phase ID Time Res
HATD Hatta, Dubai 2.98 138 P S 02 15 05.5 +1.5

Code Station Name Az Az' Phase ID Time Res
ASHO Ashiyahj 3.05 141 P S 02 15 09.5 +1.0

Code Station Name Az Az' Phase ID Time Res
ALNE Al Ain 3.42 151 P S 02 15 10.8 +0.6

Code Station Name Az Az' Phase ID Time Res
SOHO SOHO 3.75 141 P P 02 14 42.8 +0.2

Code Station Name Az Az' Phase ID Time Res
ARQ Araqi 4.39 147 P P 02 14 52.0 +0.5

Code Station Name Az Az' Phase ID Time Res
HOQ Hoqain 4.62 138 P S 02 15 42.3 -1.0

Code Station Name Az Az' Phase ID Time Res
IRAM Rameshah 4.92 344 Pn Pn 02 14 59.8 +0.8

Code Station Name Az Az' Phase ID Time Res
BSY Bisya 5.22 145 P S 02 15 03.7 +0.7

Code Station Name Az Az' Phase ID Time Res
SMDO Samad 5.46 136 P P 02 15 06.6 +0.2

Code Station Name Az Az' Phase ID Time Res
NGCH Negor - Chabah 6.69 103 P Pn 02 15 28.3 +5.2

Code Station Name Az Az' Phase ID Time Res
DQM DQM 7.83 154 P P 02 15 39.2 +0.4

ISC 18 02:23:50.7, 1.2, 3.99S:136.03E, h0km, mb3.8/4, mbtmp4.0/7, ML4.1/3, Error ellipse: s-maj=51.0km s-min=26.9km az=119.0

DJA 18 02:23:52.4, 0.2, 4.0S:3.136E, h10km, M4.5/10, MB5.3/5, mb4.5/6, MLV4.3/10, Mw(mB)4.8/5

ISC 18 02:23:51.9, 0.8, 4.13S:0.09:136.11E:0.06, h10km, n17, 0:1527/10, mb3.9/4, Irian Jaya region

Code Station Name Az Az' Phase ID Time Res
SRPI Serui, Papua 2.25 3 P P 02 24 30.2 +1.0

Code Station Name Az Az' Phase ID Time Res
BAKI Biak 2.92 0 P Pn 02 24 40.0 +1.5

Code Station Name Az Az' Phase ID Time Res
SMPI Sarmi 3.36 51 P S 02 24 45.2 +0.7

18d 4h

TEH 18 02:40:14.0, 27.37N, 52.87E, h10km, 273km
OMAN 18 02:40:18.7, 0.9, 27.29N, 53.05E, h10km, ML2.5/1, Error ellipse: s-maj=23.2km s-min=6.4km az=49.0

ISC 18 02:40:15.5, 2.4, 27.41N, 0.06, 52.9E, 0.1, h10km, 11km, n15, c0597/24, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LMD1 Lamerd, QIR1 Qir, JHRM Jahrom, LAR1 LAR, AI Ashush, Dub, etc.

KRSC 18 02:43:59.5, 1.2, 55.07N, 164.77E, h54km, 21km, ML3.8, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, BKJ Krutoberegovo, KBTR KBTR, etc.

RSNC 18 02:44:49.7, 0.1, 11N, 7.4W, h9km, 2km, M2.4, mb3.6, ML2.2, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SMRC Santa Marta, M, CRUC Cerrejon, Guaj, ARGC Ariguan, Magd, etc.

NOU 18 03:08:58.6, 25.25S, 175.75W, h409km, mb4.7/8, South of Tonga Islands, South of Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, OUZ Omahuta, KUZ Kaoutunu, etc.

NOU 18 03:12:33.4, 4.1, 69S, 174.56E, h8km, ML3.8/12, Cook Strait, New Zealand

WEL 18 03:12:34.0, 0.3, 42, S, 3, 17, 4E, h12km, M3.7/16, ML4.0/15, MLV3.7/16, Error ellipse: s-maj=4.0km s-min=1.8km az=149.2

ISC 18 03:12:34.4, 0.9, 41.60S, 0.03, 174.47E, 0.02, h22km, 4km, n59, c082/86, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, SEDS Seddon Fire St, WDFS Ward Fire Stat, etc.

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Main table with columns: VUWS Victoria Univ, WUWS Wellington Pot, WEMS Wellington Eme, etc. Includes station names, coordinates, and time/res data.

ISC 18 03:16:51.5, 1.6, 53.65N, 163.55W, h0km, mb3.7/12, mbmp3.7/14, ML3.2/22, MS3.3/2, Error ellipse: s-maj=38.9km s-min=18.1km az=169.0

AEIC 18 03:16:55.9, 0.9, 53.55N, 0.06, 163.54W, 0.10, h42km, 10km, Error ellipse: s-maj=10.6km s-min=6.7km az=140.0

NEIC 18 03:16:55.7, 0.9, 53.48N, 0.03, 163.48W, 0.06, h35km, 2km, ML3.4/8, ML3.9/12, Error ellipse: s-maj=6.9km s-min=3.1km az=237.0

ISC 18 03:16:55.1, 0.9, 53.55N, 0.08, 163.46W, 0.05, h29km, n48, c0117/41, mb3.9/11, Unimak Island region

Table with columns: WESE West Dahl East, ISLZ Isanotski Laza, SSSL Shishaldin Sou, etc. Includes station names and time/res data.

DJA 18 03:40:33.4, 0.3, 8, S, 3, 10, 7E, h10km, M4.0/16, mb4.7/3, MLV3.7/16, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CNJI Cibinong, CMJI Cimerak, LELE Lembang, etc.

SOME 18 04:05:14.5, 39, 52N, 73, 32E, h5km, KRNET 18 04:05:15.9, 0.1, 39, 43N, 73, 32E, h13km, mb4.0

IDC 18 04:05:15.9, 0.1, 39, 33N, 73, 30E, h0km, mb3.7/11, mbmp3.7/17, ML2.9/6, MS3.3/9, Error ellipse: s-maj=1.1km s-min=1.3km az=143.0

MOS 18 04:05:18.0, 1.0, 39, 57N, 73, 20E, h9km, mb4.4/6, Error ellipse: s-maj=7.2km s-min=3.9km az=84.4

NEIC 18 04:05:20.2, 2.6, 39, 45N, 0.04, 73, 12E, 0.05, h10km, 1km, mb4.5/8, Error ellipse: s-maj=7.6km s-min=5.0km az=25.0

NNC 18 04:05:21.2, 0.2, 39, 63N, 73, 35E, h0km, mb4.1, mpv3.9, Error ellipse: s-maj=24.9km s-min=11.3km az=173.0

ISC 18 04:05:16.2, 0.5, 39, 36N, 0.03, 73, 35E, 0.02, h10km, n165, c052/218, mb4.1/25, MS3.7/7, 44C-41D, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, ARSB Arslanbob, ARSB Arslanbob, etc.

1018

AKASG Malin Array Ba 75.58 352 P 03 28 36.5 0.0 comp=N, 24nm, 19.7s, baz=251, slow=39

AFAD 18 03:26:19.0, 36, 00N, 35, 90E, h7km, 4km, ML2.3 GRAL 18 03:26:20.2, 0.2, 36, 06N, 35, 85E, h3km, 2km, MD3.2

ISC 18 03:26:20.1, 1.2, 36, 04N, 0.04, 35, 90E, 0.04, h9km, 10km, n16, c056/27, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASUZ Hatay-Arsuz, RHAN Hatay/Reyhan, HASA Hatay-Hassa-Ha, etc.

AEIC 18 03:34:02.2, 1.0, 53, 35N, 0, 09, 166, 43W, 0, 10, h46km, 8km, Error ellipse: s-maj=12.4km s-min=8.5km az=184.0

NEIC 18 03:34:01.5, 0.3, 53, 25N, 0, 07, 166, 42W, 0, 06, h35km, 2km, ML2.5(AEIC), Error ellipse: s-maj=12.0km s-min=5.8km az=188.0, Fox Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MREP Makushin Rep't, UNV Unalaska Valle, MSW Makushin Switc, etc.

DJA 18 03:40:33.4, 0.3, 8, S, 3, 10, 7E, h10km, M4.0/16, mb4.7/3, MLV3.7/16, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CNJI Cibinong, CMJI Cimerak, LELE Lembang, etc.

SOME 18 04:05:14.5, 39, 52N, 73, 32E, h5km, KRNET 18 04:05:15.9, 0.1, 39, 43N, 73, 32E, h13km, mb4.0

IDC 18 04:05:15.9, 0.1, 39, 33N, 73, 30E, h0km, mb3.7/11, mbmp3.7/17, ML2.9/6, MS3.3/9, Error ellipse: s-maj=1.1km s-min=1.3km az=143.0

MOS 18 04:05:18.0, 1.0, 39, 57N, 73, 20E, h9km, mb4.4/6, Error ellipse: s-maj=7.2km s-min=3.9km az=84.4

NEIC 18 04:05:20.2, 2.6, 39, 45N, 0.04, 73, 12E, 0.05, h10km, 1km, mb4.5/8, Error ellipse: s-maj=7.6km s-min=5.0km az=25.0

NNC 18 04:05:21.2, 0.2, 39, 63N, 73, 35E, h0km, mb4.1, mpv3.9, Error ellipse: s-maj=24.9km s-min=11.3km az=173.0

ISC 18 04:05:16.2, 0.5, 39, 36N, 0.03, 73, 35E, 0.02, h10km, n165, c052/218, mb4.1/25, MS3.7/7, 44C-41D, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, ARSB Arslanbob, ARSB Arslanbob, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other parameters. Includes stations like BTk, Garm, Aral, Arkit, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other parameters. Includes stations like PRZ, KU, CHKK, SRNI, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other parameters. Includes stations like ANN, OBN, HHC, BRTR, etc.

IDC 18 04:21:26.1u1.0.33S.0.1.146E.0.0.3 h35km n14, s-min=18.9km az=93.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like JAY, PMG, HNR, etc.

IDC 18 04:29:11.8.9.5.48.93N.154.33E, h60km=67km, mb3.1/4, s-maj=169.9km s-min=63.8km az=112.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like PAU, KDR, etc.

18d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, BVAR Borovoye Array, TXAR Lajitas Array, AKASO Main Array B.

WEL 18 06:59:53.7, 0.9, 38.9, 17.7E, h60km, 10km, M2.6/13, ML2.9/13, MLV2.6/13, Error ellipse: s-maj=11.5km s-min=5.4km az=175.3

NOU 18 06:59:53.7, 37.78S:176.98E, h47km, MLV2.6/10, North Island, New Zealand

ISC 18 06:59:52.8, 1.6, 37.72S:0.04:177.06E:0.03, h85km, 9km, n38, c18/55, Off east coast of North Island

Main station list table for the 18d 8h period, listing various stations and their parameters.

ASRS 18 07:00:21.0, 1.5, 49.64N:81.66E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 18 07:00:22.7, 2.9, 54.18N:86.53E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=23.5km s-min=13.6km az=59.0, Southwestern Siberia

Table listing stations for the ASRS and ISC events, including ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array, and MKAR Makanchi Array.

ASRS 18 07:10:02.0, 0.9, 53.95N:86.61E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 18 07:10:05.1, 2.0, 53.93N:86.55E, h0km, mbtmp2.7/2, ML2.0/1, Error ellipse: s-maj=23.0km s-min=13.7km az=67.0, Southwestern Siberia

Table listing stations for the ASRS and ISC events, including H46RU Zalesovo INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, and MKAR Makanchi Array.

NOU 18 07:15:28.2, 4.1, 84S:174.49E, h3km, MLV4.0/20, Cook Strait, New Zealand

WEL 18 07:15:29.4, 0.3, 42.7, 17.4E, h8km, 2km, M3.6/19, ML3.8/19, MLV3.6/19, Error ellipse: s-maj=4.5km s-min=2.1km az=149.3

ISC 18 07:15:29.1, 1.0, 41.75S:0.03:174.39E:0.03, h11km, 7km, n72, c098/81, Cook Strait

Main station list table for the 18d 8h period, listing various stations and their parameters.

2019 JAN

Main station list table for the 2019 JAN period, listing various stations and their parameters.

ASRS 18 07:31:36.0, 1.5, 49.64N:81.66E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 18 07:31:39.0, 2.1, 49.68N:81.91E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=28.4km s-min=5.4km az=56.0, Suspected Mining explosion.

ISC 18 07:31:40.8, 1.7, 49.74N:81.48E, h0km, mbtmp2.3/1, ML2.4/1, Error ellipse: s-maj=27.5km s-min=10.4km az=47.0

ISC 18 07:31:36.7, 1.4, 49.62N:0.05:81.67E:0.07, h0km, n8, c056/9, 5C-3D, Eastern Kazakhstan

Table listing stations for the ASRS and ISC events, including KURK Kurchatov, KURBB Kurchatov Arra, MAZ Makanchi, and H46RU Zalesovo INFRA.

ISC 18 07:34:06.5, 3.3, 6.05S:146.68E, h0km, mb3.8/2, mbtmp3.9/2, ML4.1/1, Error ellipse: s-maj=103.3km s-min=53.5km az=112.0, Eastern New Guinea region

Table listing stations for the ISC event, including WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, and TORD Torodi Arr.

ASRS 18 07:34:14.0, 0.7, 54.73N:83.71E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 18 07:34:15.9, 1.7, 54.69N:83.78E, h0km, mbtmp2.7/3, ML2.3/3, Error ellipse: s-maj=15.7km s-min=10.4km az=8.0

ISC 18 07:34:12.4, 2.5, 54.9N:0.4:84.0E:0.3, h0km, n5, c062/4, Southwestern Siberia

Main station list table for the 2019 JAN period, listing various stations and their parameters.

1024

FAR SE OFF BOSO PEN ISC 18 07:36:39.8, 1.4, 34.08N:0.09:141.7E:0.1, h24km, n17, c0597/20, mb3.6/5, Off east coast of Honshu

Table listing stations for the FAR SE OFF BOSO PEN event, including BOSO Boso, BS01 Boso 1, BS03 Boso 3, BS04 Boso 4, JMYK Miyake Tsubota, JIMZ Oshima 3, JOD2 Oshima 2, JYN Shimob, JAG Ashikaga, JRY Ryogami san, JRY, MJAR Matsushiro Arr, MJAR, SONM Songoing Array, CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, WRA Warramunga Arr, ASAR Alice Springs.

ISC 18 07:52:35.9, 1.1, 30.13N:87.49E, h0km, mb3.5/7, mbtmp3.6/9, ML3.9/2, MS3.4/1, Error ellipse: s-maj=39.0km s-min=19.8km az=60.0

ISC 18 07:52:41.1, 1.0, 30.2N:0.2:87.6E:0.2, h35km, n11, c098/10, mb3.5/8, Xizang

Table listing stations for the ISC events, including CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, SONM Songoing Array, ZALV Zalesovo Beam, AKTO Aktyubsk, ARCES ARCES Array B, VAE Valguarnera, WRA Warramunga Arr, ASAR Alice Springs, TORD Torodi Arr.

ASRS 18 08:05:26.0, 1.5, 54.04N:86.53E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 18 08:05:29.2, 2.7, 54.07N:86.52E, h0km, mbtmp2.8/2, ML2.5/2, Error ellipse: s-maj=21.6km s-min=13.7km az=58.0, Southwestern Siberia

Table listing stations for the ASRS and ISC events, including H46RU Zalesovo INFRA, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, MKAR Makanchi Array, MKAR Makanchi Array.

AUST 18 08:05:52.1, 0.5, 20.5S:13.4E, h9km, 3km, mb3.5/3, ML2.6/4, Error ellipse: s-maj=11.9km s-min=6.2km az=23.2, Northern Territory

Table listing stations for the AUST event, including WB2 Warramunga Arr, WB2 Warramunga Arr, WB10 Warramunga Arr, AS1 Alice Springs, QIS Mount Isa, QIS Mount Isa, KNRA Kunurra, KDU Kakadu, FITZ Fitzroy Crossi.

NEIC 18 08:17:02.3, 1.6, 11.13S:0.06:162.64E:0.1, h10km, 1km, mb4.3/13, Error ellipse: s-maj=16.0km s-min=10.1km az=272.0

ISC 18 08:17:09.4, 3.2, 11.31S:162.49E, h53km, 26km, mb3.4/5, mbtmp3.8/7, ML3.7/2, MS2.6/1, Error ellipse: s-maj=30.3km s-min=19.7km az=62.0

ISC 18 08:17:06.2, 0.6, 11.25S:0.08:162.64E:0.09, h46km, n25, c1970/26, mb4.0/9, Bougainville-Solomon Islands region

Main station list table for the 1024 period, listing various stations and their parameters.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PEL Peledhue, MT05 Renca, AC01 Pan de Azucar, etc.

HLW 18 09:48:01.4, 37.79N:20.36E, h33km, 17km, Md5.0, M4.2
ISC 18 09:48:02.7-1.1, 37.69N:20.62E, h0km, mb3.8/9,
mbtmp3.6/15, ML3.9/4, MS3.3/17, Error ellipse:
s-maj=19.3km s-min=17.2km az=14.0
THE 18 09:48:03.8, 37.62N:20.65E, h13km, ML3.8/7, Error
ellipse: s-maj=1.5km s-min=0.7km az=33.0
ATH 18 09:48:04.0, 37.65N:20.65E, h11km, 1km, ML3.8/17, Error
ellipse: s-maj=3.2km s-min=1.1km az=38.0
NAO 18 09:48:07.1, 37.66N:20.81E, h10km, mb4.2
ISC 18 09:48:04.0-0.9, 37.67N:20.64E, h0km, h11km, 5km,
n2, -138/92, mb3.7/9, MS3.4/10, 12C, Ionian Sea

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LTHK Lithakia, CLEM Kyllini, PSDA Pessada, etc.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DLFA Delphi, TETR Tetra, MAKR Makrakomi, etc.

ASRS 18 09:54:31.0-0.7, 54.29N:86.17E, h0km, M2.6, The
earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p +
CD-ROM, 2021.
IDC 18 09:54:35.2-4.4, 54.23N:86.04E, h0km, mbtmp3.1/2,
ML3.0/2, Error ellipse: s-maj=18.4km s-min=10.7km
az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALV Zalesovo, PSI Prapat, ASAK Asahikawa, etc.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RMF Romuvaara, KU1 Kurvinen, MSF Maaseka, etc.

IDC 18 10:12:40.9-99.0, 56.36N:34.96E, h0km, Error ellipse:
s-maj=64.2km s-min=35.4km az=100.0, Baltic
States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like I43R0 DUBNA, I31KZ AKTYUBINSK, I46R0 INFRA, etc.

NEIC 18 10:20:28.3-1.4, 32.91N:100.89W:0.05, h5km, 2km,
mb_Lg2.6/28, ML2.8/48, Error ellipse: s-maj=7.7km
s-min=7.0km az=253.0, Western Texas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SN05 Snyder, I43R0 DUBNA, I31KZ AKTYUBINSK, etc.

18d 11h

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BRDY Brady, WJOK Wichita Mountain Junction City, FW07 Weatherford, etc.

NEIC 18 10:24:28.7±2.0, 24.4±8S:0.1x179.9W:0.2, h474km, 32km, mb4.2/16, Error ellipse: s-maj=22.1km s-min=16.9km az=131.0

DC 18 10:24:31.6±1.6, 24.79S:179.87E, h514km, 19km, mb3.3/7, mbtmp4.3/10, Error ellipse: s-maj=19.9km s-min=13.2km az=154.0

ISC 18 10:24:30.0±0.5, 24.71S:0.07x179.91W:0.09, h500km, n64, ±169/70, mb4.0/13, South of Fiji Islands

Main station list table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Lists numerous stations including RAO Raoul Island, GLKZ Green Lake, Nonsavu, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CNJI Cibinong, CGJI Lembang, SBJJ Serang, etc.

TEH 18 10:36:23.2, 31.35N:49.23E, h200km, 49km, OMAN 18 10:36:26.9±0.3, 30.68N:49.34E, h10km, mb3.8/8, ms2.4/1, Error ellipse: s-maj=9.0km s-min=4.6km az=15.0

ISC 18 10:36:21.2±0.9, 31.19N:0.07x49.23E:0.06, h10km, n53, ±157/63, Western Australia

Main station list table for the second section with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AHWZ Ahwaz, ABEH Behbahan, ZNGN Zangian, etc.

NEIC 18 10:54:00.6±0.8, 15.80N:0.08x145.8E:0.2, h222km, 5km, mb4.2/21, Error ellipse: s-maj=24.1km s-min=9.9km az=105.0

DC 18 10:54:02.2±12.0, 15.76N:146.03E, h259km, 126km, mb3.4/7, mbtmp4.0/7, Error ellipse: s-maj=35.8km s-min=18.4km az=81.0

ISC 18 10:53:59.0±0.7, 15.89N:0.08x145.8E:0.2, h200km, n33, ±122/33, mb4.2/19, Mariana Islands

Main station list table for the third section with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, GUMO Fak Fak, S5L Suanglung, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KURBB Kurchatov Arra, IL31 Eielson Array, EGAK Eagle, etc.

SFS 18 11:00:14.2, 36.10N:8.50W, h0km, ML3.5/16, ML3.9/22, MLV3.3/22

CNRM 18 11:00:14.3, 36.05N:8.74W, h69km, ML3.3, MDD 18 11:00:17.2±0.4, 36.10N:8.59W, h35km, mb_Lg3.5/37, Error ellipse: s-maj=3.7km s-min=2.7km az=58.0

INMG 18 11:00:18.6±1.2, 36.23N:8.46W, h11km, 4km, ML2.9, Error ellipse: s-maj=5.2km s-min=2.3km az=47.0, #DIST RANGE: REGIONAL #PMA REGION: SW Alufeira

IGL 18 11:00:18.2, 36.23N:8.46W, h8km, ML2.9, ISL 18 11:00:16.0±1.4, 36.17N:0.04x8.46W:0.04, h29km, 12km, n105, ±183/172, 5D, West of Gibraltar

Main station list table for the fourth section with columns: Code, Station Name, Az, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PVFI Vila Bisbo, MORF Marletele, PBDV Barranco-do-Ve, etc.

1033

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like BILL Bilibino, SWI Sorong, and many others.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like L14K Kuka Creek, F15K North Star Dit, and many others.

18d 12h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like KURK Kurchatov, N17K Nushagak Hills, and many others.

I29M	Ogilvie Camp, baz=279	54.43	31	P	P	12 55 47.8 +2.2	FARO	Faro, Yukon baz=286,SNR=11	57.26	34	P	P	12 56 08.0 +2.1	RES	Resolute Bay comp=Z,124nm,21.9s, baz=7.5,slow=37	63.91	14	LR	LR	12 53 59.7	
PINM	Pinnacle baz=281	54.50	37	P	P	12 55 48.0 +1.7	HYB	Hyderabad	57.42	269	eP	eP	12 56 07.7 0.0	RES	Resolute Bay	63.91	14	P	P	12 56 51.6 +0.8	
YUK8	Steele Glacier baz=281	54.50	36	P	P	12 55 49.0 +2.5	HYB	Hyderabad	57.42	269	eP	eP	12 56 07.7 0.0	BELG	Belogomonye	64.13	317c	/P	pmax	12 56 52.6 -0.1	
GAR	Garm	54.52	296	P	P	12 55 46.6 -0.2	A36M	Sachs Harbour	57.61	22	P	P	12 57 01.1 +0.1	KEYV	Kevo	64.25	339	P	I	12 56 53.6 +0.4	
M29M	Somme Creek comp=Z,17nm,0.8s	54.88	34	I	Amb	12 56 04.7	A36M	Sachs Harbour baz=282,SNR=48	57.61	22	P	P	12 56 08.9 +0.8	KEYV	Kevo	64.25	339	P	I	12 56 54.7	
M29M	Somme Creek baz=281	54.88	34	P	P	12 55 51.5 +2.5	N32M	Quiet Lake comp=Z,16nm,0.8s	57.68	35	I	Amb	I	12 56 28.5	KEYV	Kevo	64.25	339	P	P	12 56 53.6 +0.4
EPYK	Eagle Plains baz=280,SNR=40	54.90	29	P	P	12 55 51.3 +2.3	N32M	Quiet Lake baz=286	57.68	35	P	P	12 56 10.8 +2.0	KEYV	Kevo	64.25	339	P	pmax	12 56 52.6 -0.1	
L29M	L29M comp=Z,26nm,0.9s	54.91	33	I	Amb	12 56 15.3	P32M	Atlin	57.82	37	P	P	12 56 09.9 0.0	KEYV	Kevo	64.25	339	P	P	12 56 53.5 +0.4	
L29M	L29M baz=281	54.91	33	P	P	12 55 51.9 +2.8	P32M	Atlin	57.82	37	P	P	12 56 16.2	KEYV	Kevo	64.25	339	eP	P	12 56 52.9 -0.9	
G30M	Aoh Zraii Nji baz=280	54.99	28	P	P	12 55 50.7 +1.0	P32M	Atlin comp=Z,19nm,1.1s	57.82	37	P	P	12 56 12.3 +2.4	HAMF	Hammerfest	64.66	341	eP	P	12 56 56.0 +0.2	
G30M	Aoh Zraii Nji comp=Z,65nm,1.2s	54.99	28	P	P	12 55 53.3	P33M	Teslin, Yukon baz=287,SNR=6	58.07	36	I	Amb	I	12 56 37.7	HAMF	Hammerfest	64.66	341	eP	P	12 56 57.1
G30M	Aoh Zraii Nji baz=280	54.99	28	P	P	12 55 51.4 +1.7	P33M	Teslin, Yukon comp=Z,21nm,1.1s	58.07	36	P	P	12 56 14.1 +2.4	ARAO	ARCESS Array S	64.81	339	eP	P	12 56 57.5 +0.6	
YUK4	Talbot Arm baz=282,SNR=9.6	55.02	36	P	P	12 55 52.3 +2.1	AB31	Aktulak array	58.11	310	/P	P	12 56 11.9 -0.9	ARAO	ARCESS Array S	64.81	339	eP	P	12 56 58.2	
K29M	Barlow Dome	55.03	32	P	P	12 55 51.8 +1.7	ABKAR	Aktulak array	58.11	310	P	P	12 56 12.4 +0.4	ARCES	ARCESS Array B	64.81	339	P	P	12 56 57.4 +0.5	
K29M	Barlow Dome comp=Z,15nm,0.8s	55.03	32	P	P	12 56 15.2	Q32M	Nakina River baz=288	58.12	37	P	P	12 56 18.9 +2.5	ARCES	ARCESS Array B	64.81	339	P	LR	12 56 57.4 +0.5	
K29M	Barlow Dome baz=281	55.03	32	P	P	12 55 52.4 +2.3	C36M	Paulutuk	58.79	24	P	P	12 56 17.7 +1.3	ARCES	ARCESS Array B	64.81	339	P	LR	12 56 57.4 +0.5	
F30M	Barrier River baz=280	55.05	28	P	P	12 55 52.6 +2.7	C36M	Paulutuk baz=289,SNR=46	58.79	24	P	P	12 56 17.7 +1.3	YKA	Yellowknife Ar	65.18	30	P	P	12 57 00.0 +0.6	
YUK6	Outpost Mounta baz=282,SNR=8.0	55.24	36	P	P	12 55 54.2 +2.4	AKTO	Aktuyubinsk	58.89	312	P	P	12 56 16.6 -0.8	YKA	Yellowknife Ar	65.18	30	P	P	12 57 00.0 +0.6	
I30M	Mount Dempster comp=Z,41nm,0.8s	55.25	31	I	Amb	12 56 10.7	R33M	Jennings River baz=289	59.22	37	P	P	12 56 21.7 +2.0	YKA	Yellowknife Ar	65.18	30	P	P	12 57 00.0 +0.6	
I30M	Mount Dempster baz=281	55.25	31	P	P	12 55 53.8 +2.2	AS01	Alice Springs comp=Z,46nm,0.9s	59.54	187	P	P	12 56 21.8 -0.3	MEEK	Meekatharra	65.52	201	P	P	12 56 59.9 -2.1	
O29M	Mount Kennedy comp=Z,28nm,0.9s	55.28	37	I	Amb	12 56 11.7	AS31	Alice Springs	59.54	187	P	P	12 56 22.2 0.0	MEEK	Meekatharra	65.52	201	P	P	12 57 02.2 +0.3	
O29M	Mount Kennedy baz=283,SNR=13	55.28	37	P	P	12 55 54.4 +2.5	AS31	Alice Springs comp=Z,2m,0.6s	59.54	187	P	P	12 56 22.2 0.0	MEEK	Meekatharra	65.52	201	eP	P	12 57 03.5 +0.4	
J30M	Hart River	55.40	31	P	P	12 55 52.7 0.0	ASAR	Alice Springs comp=Z,25nm,0.8s, baz=11,slow=7.2,SNR=194	59.55	187	P	P	12 56 22.2 0.0	KTK1	Katukine	65.77	339	eP	P	12 57 04.4	
J30M	Hart River baz=282	55.40	31	P	P	12 55 54.8 +2.1	ASAR	Alice Springs comp=Z,25nm,0.8s, baz=11,slow=7.2,SNR=194	59.55	187	P	P	12 56 22.2 0.0	LRCR	Leigh Creek	66.01	182	P	P	12 57 06.3 +1.3	
CHGR	Chuyangaron comp=Z,294nm,0.7s	55.49	296	P	P	12 55 53.8 +0.1	S34M	Telegraph Cree comp=Z,0.9nm,0.9s, baz=11,slow=1.4,SNR=5.7	59.63	38	I	Amb	I	12 56 53.0	JETT	Jettan, Norway	66.22	341	eP	P	12 57 05.5 +0.6
CHGR	Chuyangaron comp=Z,294nm,0.7s	55.49	296	P	P	12 55 53.8 +0.1	S34M	Telegraph Cree comp=Z,2.0nm,1.2s	59.63	38	P	P	12 56 24.7 +2.3	JETT	Jettan, Norway	66.22	341	eP	P	12 57 07.2	
CHGR	Chuyangaron comp=Z,294nm,0.7s	55.49	296	P	P	12 55 53.8 +0.1	DLBC	Dease Lake comp=Z,1.7nm,1.1s	60.00	37	I	Amb	I	12 56 53.7	TULEG	Thule	66.34	7	P	P	12 57 06.5 -0.1
FITZ	Fitzroy Crossi comp=Z,67nm,1.8s	55.49	197	P	I	12 55 54.0 +0.3	DLBC	Dease Lake baz=290	60.00	37	P	P	12 56 27.1 +2.1	TRO	Tromso	66.56	341	eP	P	12 57 08.0	
FITZ	Fitzroy Crossi comp=Z,20nm,1.2s	55.49	197	P	P	12 55 53.5 -0.1	WTLY	Watson Lake, Y comp=Z,1.7nm,1.0s	60.01	35	I	Amb	I	12 56 50.8	TRO	Tromso	66.56	341	eP	P	12 57 08.3 +0.2
FITZ	Fitzroy Crossi comp=Z,20nm,1.2s	55.49	197	P	P	12 55 53.8 +0.1	WTLY	Watson Lake, Y comp=Z,1.7nm,1.0s	60.01	35	P	P	12 56 27.3 +2.2	JOF	Joensuu	66.63	332	eP	P	12 57 09.0 +0.4	
SVE	Sverdlovsk comp=Z,196nm,0.8s	55.52	319d	/P	pmax	12 55 54.0 +0.5	MBWA	Marble Bar comp=Z,2m,SNR=6	60.03	202	P	P	12 56 25.6 +0.1	NEEM	North Greenlan	66.72	3	/P	I	12 57 09.1 -0.3	
SVE	Sverdlovsk comp=Z,196nm,0.8s	55.52	319d	/P	pmax	12 55 54.0 +0.5	MBWA	Marble Bar comp=Z,1.45nm,1.0s	60.03	202	P	P	12 56 25.3 -0.2	NEEM	North Greenlan	66.72	3	/P	I	12 57 09.1 -0.3	
SVE	Sverdlovsk comp=Z,196nm,0.8s	55.52	319d	/P	pmax	12 55 54.0 +0.5	MBWA	Marble Bar comp=Z,1.45nm,1.0s	60.03	202	P	P	12 56 25.3 -0.2	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
SIMJ	Simiganj comp=Z,422nm,17.0s	55.59	296	P	P	12 55 54.4 -0.2	MBWA	Marble Bar comp=Z,1.45nm,1.0s	60.03	202	P	P	12 56 25.3 -0.2	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
SIMJ	Simiganj comp=Z,422nm,17.0s	55.59	296	P	P	12 55 54.4 -0.2	MBWA	Marble Bar comp=Z,1.45nm,1.0s	60.03	202	P	P	12 56 25.3 -0.2	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
SIMJ	Simiganj comp=Z,422nm,17.0s	55.59	296	P	P	12 55 54.4 -0.2	MBWA	Marble Bar comp=Z,1.45nm,1.0s	60.03	202	P	P	12 56 25.3 -0.2	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
M30M	Minto, Yukon baz=282,SNR=7.9	55.62	34	P	P	12 55 56.8 +2.6	MBWA	Marble Bar comp=Z,1.45nm,1.0s	60.03	202	P	P	12 56 25.3 -0.2	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
HYT	Haines Junctio comp=Z,23nm,0.8s	55.67	36	I	Amb	12 55 54.4 -0.2	PSACI	Pilbara Seismi comp=Z,102nm,1.1s	60.38	202	P	P	12 56 28.2 +0.3	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
HYT	Haines Junctio comp=Z,23nm,0.8s	55.67	36	P	P	12 55 57.4 +2.6	PSA00	Pilbara Seismi comp=Z,95nm,1.3s	60.38	202	P	P	12 56 27.8 -0.1	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
N30M	Aishikk Lake comp=Z,38nm,1.8s	55.73	35	I	Amb	12 56 27.1	PSA00	Pilbara Seismi comp=Z,95nm,1.3s	60.38	202	P	P	12 56 27.8 -0.1	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
N30M	Aishikk Lake comp=Z,38nm,1.8s	55.73	35	P	P	12 55 57.4 +2.3	T35M	Bob Quinn comp=Z,65nm,1.8s	60.40	39	I	Amb	I	12 56 28.6 +0.7	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1
G31M	Satah River baz=283	55.76	28	I	Amb	12 56 13.2	T35M	Bob Quinn comp=Z,65nm,1.8s	60.40	39	I	Amb	I	12 56 28.6 +0.7	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1
G31M	Satah River comp=Z,20nm,0.8s	55.76	28	P	P	12 55 56.4 +1.4	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
INK	Inuvik comp=Z,20nm,0.8s	55.76	27	P	P	12 55 55.9 +0.9	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
INK	Inuvik comp=Z,20nm,0.8s	55.76	27	P	P	12 55 56.6 +1.6	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
INK	Inuvik comp=Z,20nm,0.8s	55.76	27	P	P	12 55 55.9 +0.9	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
INK	Inuvik comp=Z,20nm,0.8s	55.76	27	P	P	12 55 55.9 +0.9	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
MAYO	Mayo, Yukon comp=Z,24nm,0.8s	55.79	32	P	I	12 55 54.3 -1.1	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
MAYO	Mayo, Yukon comp=Z,24nm,0.8s	55.79	32	P	I	12 55 57.7 +2.3	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
WRAB	Tennant Creek baz=283	55.81	187	P	P	12 55 55.5 -0.4	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
WRAB	Tennant Creek comp=Z,76nm,0.9s	55.81	187c	/P	pmax	12 55 55.7 -0.2	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
WRAB	Tennant Creek comp=Z,76nm,0.9s	55.81	187c	/P	pmax	12 55 55.7 -0.2	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
WB2	Warramunga Arr comp=Z,23nm,1.1s	55.82	187	P	P	12 55 55.7 -0.3	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
WB2	Warramunga Arr comp=Z,23nm,1.1s	55.82	187	P	P	12 55 55.2 -0.8	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
WRA	Warramunga Arr comp=Z,62nm,0.6s, baz=5.3,slow=7.3,SNR=1.7	55.82	187	P	P	12 55 55.7 -0.3	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
WB1	Warramunga Arr comp=Z,143nm,0.8s	55.83	187	P	P	12 55 55.2 -0.9	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
P29M	Windy Craggy comp=Z,36nm,0.9s	55.84	37	P	P	12 55 56.6 +0.9	KIRV	Kirov baz=293,SNR=19.0s	60.72	323	LR	LR	13 24 49.8	ARMA	Armidale	66.77	170	P	P	12 57 10.1 +0.1	
P29M	Windy Craggy comp=Z,36nm,0.9s	55.84	37	P	P	12 55 56.6 +0.9	KIRV	Kirov baz=293,SNR=19.0													

I22FR	I	13 39 19.9
0.1nm,0.7s,baz=39,slow=308,SNR=7.2		
DZM	Pn	13 19 23.7 -0.8
Mont Dzumac 3.61 217 ePn		
13um,0.9s		
DZM	Sn	13 20 02.9 -3.1
24um,0.9s		
DZM	Pn	13 19 23.5 -1.0
Mont Dzumac 3.61 217 Pn		
168nm,0.3s,baz=54,slow=8.1,SNR=944		
DZM	Sn	13 20 04.6 -1.4
6um,0.6s,baz=139,slow=12,SNR=7.5		
DZM	LR	13 20 55.1
comp-Z,154um,21.5s,baz=99,slow=40		
4um,0.8s		
DZM	Pn	13 19 24.2 -0.3
Mont Dzumac 3.61 217 P		
DZM	Sn	13 20 06.1 +0.1
Mont Dzumac 3.61 217 P		
OUEC	Pn	13 19 25.9 +0.4
Ouen Island, N 3.69 209 P		
OUEC	Sn	13 20 07.7 -0.1
Ouen Island, N 3.69 209 Pn		
ONTNC	Pn	13 19 26.6 -0.3
Ouen Toro 3.80 215 P		
ONTNC	Pn	13 19 27.1 +0.2
Ouen Toro 3.80 215 P		
ONTNC	Sn	13 20 09.0 -1.3
Ouen Toro 3.80 215 Pn		
ONTNC	Pn	13 19 26.5 -0.4
Ouen Toro 3.80 215 Pn		
YSA	Pn	13 20 41.1 +6.7
Yasawairara 8.71 75 Pn		
MSVF	Pn	13 20 40.6 +3.6
Nonsavu 8.89 82 Pn		
MSVF	Pn	13 20 40.5 +3.5
Nonsavu 8.89 82 Pn		
748nm,1.0s,baz=240,slow=10,SNR=34		
MSVF	LR	13 23 37.3
comp-Z,100um,19.7s,baz=282,slow=35		
MSVF	Pn	13 20 41.8 +4.8
Nonsavu 8.89 82 Pn		
MSVF	Pn	13 20 40.6 +3.6
Nonsavu 8.89 82 Pn		
LUES	Pn	13 20 39.8 +2.3
Luesalemba Tem 8.94 341 Pn		
NFK	Pn	13 20 51.8 +2.1
Norfolk Island 9.83 184 Pn		
NFK	Pn	13 20 52.0 +2.3
Norfolk Island 9.83 184 Pn		
DGTI	Pn	13 21 07.7 +4.6
Dogotuki 10.81 76 Pn		
HURO	Pn	13 21 06.4 +1.4
Huro Makira 10.95 322 Pn		
NGAO	Pn	13 21 11.5 +1.0
Tingoa Renbel 11.35 311 Pn		
LKBA	Pn	13 21 21.4 +5.1
Tubou, Lakemba 11.77 87 Pn		
HNR	Pn	13 21 32.2 -0.8
Honiara 12.95 317 Pn		
HNR	LR	13 21 31.7 -0.8
Honiara 12.95 317 Pn		
comp-Z,32nm,0.3s,baz=151,slow=1.5,SNR=12		
HNR	LR	13 25 40.9
comp-Z,21um,20.5s,baz=160,slow=33		
comp-Z,586nm,0.8s		
HNR	Pn	13 21 34.3 +1.9
Honiara 12.95 317 Pn		
HNR	Pn	13 21 33.3 +0.8
Honiara 12.95 317 Pn		
ALEG	Pn	13 21 35.6 +2.2
Aligeego Malai 13.02 322 Pn		
FUTU	Pn	13 21 39.1 +0.1
Fugatoga 13.43 71 Pn		
FUTU	Pn	13 21 45.0 -2.1
Fugatoga 13.43 71 Pn		
TATA	Pn	13 21 47.5 +2.9
Tatamba Isabel 18.35 320 Pn		
LHI	Pn	13 22 01.0 0.0
Lord Howe Isla 15.09 214 Pn		
RAO	Pn	13 22 09.3 +0.5
Raoul Island 15.70 132 Pn		
RAO	Iamb	13 22 16.5
comp-Z,642nm,1.1s		
RAO	Pn	13 22 11.0 -1.2
Raoul Island 15.70 132 P		
comp-Z,92nm,0.3s,baz=232,slow=8.0,SNR=6.7		
RAO	LR	13 22 06.7
comp-Z,17um,18.8s,baz=301,slow=33		
comp-Z,586nm,0.8s		
RAO	Pn	13 22 12.5 +0.3
Raoul Island 15.70 132 P		
RAO	Pn	13 22 09.4 +0.5
Raoul Island 15.70 132 P		
comp-Z,642nm,1.1s		
GLKZ	Pn	13 22 13.5 +3.1
Green Lake 15.70 132 P		
Ouz	Pn	13 22 21.7 +0.5
Omahuta 16.51 166 P		
Ouz	Pn	13 22 21.9 +0.7
Omahuta 16.51 166 Pn		
GC1S	Pn	13 22 21.4 -0.8
Gold Coast 1 S 16.59 235 Pn		
auwsh	Pn	13 22 21.8 -0.6
Wavell State H 16.61 238 Pn		
WZC	Pn	13 22 32.2 +2.5
Waipui Caves 17.51 246 Pn		
EIDS	Pn	13 22 34.0 +0.6
Eidsvold 17.51 246 Pn		
EIDS	Pn	13 22 34.2 +1.9
Eidsvold 17.51 246 Pn		
EIDS	Pn	13 22 34.0 +1.7
Eidsvold 17.51 246 Pn		
TW1H	Pn	13 22 34.2 +2.0
Toowoomba 1 Ha 17.92 167 Pn		
KRZ	Pn	13 22 39.9 +2.6
Great Barrier 18.50 162 Pn		
GVZ	Pn	13 22 46.7 +2.9
Kuautou 18.50 162 Pn		
GVZ	Pn	13 22 45.2 +1.5
Kuautou 18.50 162 Pn		
ARMA	Pn	13 22 52.5 +0.7
Armidale 19.15 231 Pn		
ARMA	Pn	13 22 54.9 +3.1
Armidale 19.15 231 Pn		
ARMA	Pn	13 22 53.9 +2.1
Armidale 19.15 231 Pn		
ARMA	Pn	13 22 53.9 +2.1
Armidale 19.15 231 Pn		
AFI	Pn	13 22 53.5 -0.5
Afiama 19.34 77 Pn		
AFI	Iamb	13 22 59.6
comp-Z,1um,1.3s		
AFI	Pn	13 22 58.0 +4.0
Afiama 19.34 77 Pn		
AFI	Pn	13 22 53.5 -0.5
Afiama 19.34 77 Pn		
comp-Z,1um,1.3s		
TOZ	Pn	13 22 55.0 +0.9
Tahuroa Road 19.37 164 Pn		
TOZ	Pn	13 22 55.0 +0.9
Tahuroa Road 19.37 164 Pn		
WIZ	Pn	13 23 00.7 +3.0
White Island 19.68 160 Pn		
RMQ	Pn	13 23 01.5 +1.7
Roma 19.83 245 Pn		
RMQ	Pn	13 23 01.1 +1.3
Roma 19.83 245 Pn		
TLZ	Pn	13 23 01.9 +0.9
Tolley Road 19.94 164 Pn		
HIZ	Pn	13 23 00.2 -0.1
Haiti 19.95 166 Pn		
comp-Z,564nm,1.1s		
HIZ	Pn	13 23 02.7 +1.7
Haiti 19.95 166 Pn		
HIZ	Pn	13 23 02.0 +1.0
Haiti 19.95 166 Pn		
HAZ	Pn	13 23 03.5 +1.0
Te Kaha 20.09 158 Pn		
MXZ	Pn	13 23 01.2 +0.7
Matakaoa Point 20.09 158 Pn		
MXZ	Iamb	13 23 13.3
comp-Z,828nm,1.5s		
MXZ	Pn	13 23 03.2 +0.5
Matakaoa Point 20.09 158 Pn		
MXZ	Pn	13 23 02.4 +0.3
Matakaoa Point 20.09 158 Pn		
NIUE	Pn	13 23 01.6 +1.0
Niue 20.09 93 Pn		
NIUE	Iamb	13 23 05.1
comp-Z,839nm,1.0s		
NIUE	Pn	13 23 01.9 -0.9
Niue 20.09 93 Pn		
comp-Z,0.0nmcomp=1.3s		
NIUE	Pn	13 23 04.2 +1.3
Niue 20.09 93 Pn		
NIUE	Pn	13 23 01.7 +1.0
Niue 20.09 93 Pn		
AUAYR	Pn	13 23 02.8 +1.1
Ayr State High 20.19 265 Pn		
URZ	Pn	13 23 05.3 -0.1
Urewera 20.32 161 Pn		
comp-Z,170nm,0.9s,baz=57,slow=4.3,SNR=26		
URZ	Pn	13 23 06.1 +0.7
Urewera 20.32 161 Pn		
URZ	Pn	13 23 05.2 -0.2
Urewera 20.32 161 Pn		
URZ	Pn	13 23 05.2 -0.2
Urewera 20.32 161 Pn		
VRZ	Pn	13 23 08.0 +0.4
Vera Road 20.52 168 Pn		
NEZ	Pn	13 23 08.0 +0.2
North Egmont 20.52 168 Pn		
MWZ	Pn	13 23 07.5 -0.3
Matawai 20.52 168 Pn		
KHEZ	Pn	13 23 07.5 -0.4
Kahui Hut 20.53 168 Pn		
PUZ	Pn	13 23 06.7 -1.2
Puketitahi 20.53 168 Pn		
PREZ	Pn	13 23 09.0 +0.3
Palmer Road 20.60 158 Pn		
RTZ	Iamb	13 23 11.2
Ruatuhua 20.61 162 Pn		
comp-Z,964nm,1.2s		
RTZ	Pn	13 23 08.3 -0.6
Ruatuhua 20.61 162 Pn		
TVH	Pn	13 23 07.7 +0.5
Townsville Har 20.78 266 Pn		
BKZ	Iamb	13 23 11.9 -1.4
Black Stump Fm 20.98 163 Pn		
BKZ	Iamb	13 23 27.5
comp-Z,445nm,0.8s		
BKZ	Pn	13 23 12.4 -0.9
Black Stump Fm 20.98 163 Pn		
BKZ	Pn	13 23 12.3 -1.0
Black Stump Fm 20.98 163 Pn		
MGCD	Pn	13 23 15.2 +3.3
Mangrove Creek 21.09 225 Pn		
MGCD	Pn	13 23 13.1 +1.7
Mangrove Creek 21.09 225 Pn		
WAZ	Pn	13 23 15.2 +3.0
Wanganui 21.17 167 Pn		
KNZ	Pn	13 23 13.6 +1.2
Kokohu 21.20 161 Pn		
CTA	Pn	13 23 15.0 +1.7
Charters Tower 21.26 264 Pn		
comp-Z,1um,1.3s		
CTA	Pn	13 23 13.8 +0.5
Charters Tower 21.26 264 Pn		
comp-Z,72nm,0.8s,baz=88,slow=11,SNR=48		
CTA	LR	13 30 15.8
comp-Z,29um,21.8s,baz=108,slow=33		
CTA	Pn	13 23 15.2 +1.9
Charters Tower 21.26 264 Pn		
CTA	IAMS_20	13 23 14.2 +0.9
Charters Tower 21.26 264 IAMS_20		
CTA	IAMS_20	13 30 03.5
Charters Tower 21.26 264 IAMS_20		
comp-Z,29um,21.0s		
CTA	Pn	13 23 15.3 +1.9
Charters Tower 21.26 264 Pn		
CTA	Pn	13 23 14.2 +0.9
Charters Tower 21.26 264 Pn		
comp-Z,3um,1.1s		
CTA	MLR	13 30 03.5
comp-Z,28um,21.0s		
CTA	Pn	13 23 14.8 +1.5
Charters Tower 21.26 264 Pn		
TSZ	Pn	13 23 19.3 +1.6
Takapari Road 21.65 165 Pn		
QRZ	Pn	13 23 20.2 +1.4
Quartz Range 21.79 172 Pn		
QRZ	Iamb	13 23 25.7
comp-Z,822nm,1.3s		

QRZ	P	13 23 21.5 +2.7
Quartz Range 21.79 172 P		
QRZ	P	13 23 21.1 +2.3
Quartz Range 21.79 172 P		
PWZ	P	13 23 21.6 +1.8
Pawanui 21.89 163 P		
PXZ	P	13 23 20.8 +1.0
Pawanui 21.89 163 P		
WOLH	P	13 23 23.7 +2.8
Wollongong Har 21.98 223 P		
TKNZ	P	13 23 24.4 +2.7
Takaka Hill 22.05 173 P		
RABL	P	13 23 20.5 -1.4
Rabaul 22.05 310 P		
RABL	Iamb	13 23 42.1
comp-Z,542nm,1.1s		
MRZ	P	13 23 23.4 +0.5
Mangatainoka R 22.16 166 P		
MRZ	IAMS_20	13 31 17.0
comp-Z,23um,20.0s		
MRZ	P	13 23 23.5 +0.6
Mangatainoka R 22.16 166 P		
AUOCS	P	13 23 26.5 +2.3
Dubbo College 22.28 230 P		
NNZ	Iamb	13 23 40.8
Nelson 22.29 171 Iamb		
BNZ	P	13 23 26.0 +1.9
Nelson 22.29 171 P		
BFZ	P	13 23 24.9 +0.2
Birch Farm 22.34 165 P		
BFZ	Iamb	13 23 45.7
comp-Z,304nm,0.8s		
BFZ	P	13 23 26.1 +1.4
Birch Farm 22.34 165 P		
BFZ	P	13 23 26.0 +1.2
Birch Farm 22.34 165 P		
MRNZ	P	13 23 27.5 +2.3
Matariki Terra 22.38 172 P		
MRNZ	P	13 23 27.4 +2.3
Matariki Terra 22.38 172 P		
TCW	P	13 23 26.9 +1.3
Tory Channel 22.43 169 P		
VCW	P	13 23 27.1 +1.4
Vonuavatu 22.52 169 P		
WCL	P	13 23 28.4 +0.9
Wellington 22.61 168 P		
SNZO	Iamb	13 23 46.6
SNZO	Iamb	13 23 46.6
comp-Z,431nm,1.1s		
SNZO	IAMS_20	13 31 15.5
South Karori 22.61 168 IAMS_20		
SNZO	P	13 23 30.3 +2.8
South Karori 22.61 168 P		
DNZ	P	13 23 30.3 +2.6
Denniston Nort 22.62 174 P		
BHW	P	13 23 29.9 +1.0
Baring Head 22.73 168 P		
BHW	Iamb	13 23 35.8
THZ	P	13 23 34.3 +0.6
Topohouse 22.76 172 P		
THZ	Iamb	13 23 34.3
Topohouse 22.76 172 P		
THZ	P	13 23 31.1 +1.8
Topohouse 22.76 172 P		
AJHD	P	13 23 32.2 +2.2
Alidadi High 22.84 221 P		
BSWZ	P	13 23 32.6 +1.5
Black Birch Sta 22.86 170 P		
CMWZ	P	13 23 32.6 +1.5
Cape Campbell 22.86 170 P		
PMG	LR	13 31 25.5
Port Moresby 23.10 292 LR		
comp-Z,19um,19.9s,baz=142,slow=34		
MTSU	P	13 23 34.8 +0.6
Mount Surprise 23.22 269 P		
MTSU	P	13 23 35.0 +0.9
Mount Surprise 23.22 269 P		
KHZ	P	13 23 36.8 +0.5
Kahutara 23.49 171 P		
KHZ	P	13 23 36.8 +0.5
Kahutara 23.49 171 P		
KHZ	P	13 23 36.5 +0.2
Kahutara 23.49 171 P		
CNB	P	13 23 38.2 +1.4
Canberra Magne 23.52 223 P		
CNB	P	13 23 38.8 +2.0
Canberra Magne 23.52 223 P		
CNB	IAMS_20	13 31 42.6
Inchbonnie 23.56 175 IAMS_20		
comp-Z,92um,20.0s		
INZ	P	13 23 38.5 +1.5
Inchbonnie 23.56 175 P		
YNG	P	13 23 38.5 +1.3
Young 23.56 226 P		
YNG	P	13 23 39.1 +1.9
Young 23.56 226 P		
LTZ	Iamb	13 23 44.5
Lake Taylor 23.69 174 Iamb		
comp-Z,438nm,0.9s		
LTZ	P	13 23 40.0 +1.6
Lake Taylor 23.69 174 P		

PDSI	comp=Z,352nm,1.4s	69.28 276	P	P	13 29 33.3 -0.4
PPI	comp=Z,133nm,1.0s	69.49 277	P	P	13 29 35.1 +0.1
NJ2	comp=Z,65umcomp=Z,71nm,1.0s	69.90 316	P	P	13 29 37.3 +0.2
NJ2			pP	pP	13 29 50.3 -0.2
NJ2			S	S	13 38 39.4 -4.2
NJ2			ScS	ScS	13 39 36.5 +1.1
NJ2			SS	SS	13 43 07.3 -6.4
NJ2	comp=Z,100nm,1.3s			pmax	
NJ2	comp=Z,2um,3.5s			pmax	
NJ2	comp=Z,2um,24.5s		LR	LR	
NJ2	comp=Z,1um,24.6s		LR	LR	
YSS	comp=Z,3um,24.8s		LR	LR	
YSS	Yuzhno-Sakhali	69.91 341	P	P	13 29 38.2 +1.4
YSS	Yuzhno-Sakhali	69.91 341	IAMS_20	IAMS_20	13 55 33.4
YSS	comp=Z,5um,21.0s		P	P	13 29 38.6 +1.8
YSS	Yuzhno-Sakhali	69.91 341	/P	P	13 29 38.3 +1.5
YSS	Yuzhno-Sakhali	69.91 341	eS	S	13 38 45.0 +1.9
YSS			ePS	PnS	13 39 15.0 -0.2
YSS			ePPS	PPS	13 39 33.4
YSS			eSS	SS	13 43 12.0 -1.4
YSS				pmax	
YSS	comp=Z,270nm,1.1s			pmax	
YSS	comp=Z,2um,4.6s			pmax	
YSS	comp=N,700nm,4.1s			pmax	
YSS	comp=E,400nm,3.6s			smax	
YSS	comp=N,2um,6.8s			smax	
YSS	comp=N,1um,6.5s			smax	
YSS	Yuzhno-Sakhali	69.91 341	/P	P	13 29 37.9 +1.0
YSS	Yuzhno-Sakhali	69.91 341	P	P	13 29 37.9 +1.0
YSS	Yuzhno-Sakhali	69.91 341	PcP	PcP	13 30 00.3 +1.3
SISI	Saibi	70.42 276	P	P	13 29 42.8 +2.0
SKR	Severo-Kuril's	70.47 351	eP	S	13 29 31.1 -9.0
SKR			eS	S	13 38 39.9 -10
SKR				pmax	
SKR	comp=Z,1um,5.3s			MLR	
MSHR	Mys Shuitsa	70.59 331	/P	P	13 29 41.4 +0.3
MSHR				pmax	
MSHR	comp=Z,146nm,1.2s			MLR	
MNSI	comp=Z,815nm,21.0s	70.69 278	P	P	13 29 41.8 -0.6
MNSI	Mandailing Nat	70.69 278	5umcomp=Z,317nm,1.4s		
VLA	Vladivostok	70.69 332	/P	P	13 29 43.0 +1.3
VLA				pmax	
VLA	comp=Z,170nm,1.2s			MLR	
VLA	comp=Z,1um,18.0s			MLR	
PSTP	Posyet	70.81 331	/P	P	13 29 43.4 +1.0
QSPA	South Pole Qui	70.85 180	P	P	13 29 43.2 +0.5
QSPA	South Pole Qui	70.85 180	P	P	13 29 43.2 +0.5
QSPA	comp=Z,264nm,1.0s,baz=22,slow=2.0,SNR=250			PKPPKP	P/P'df
QSPA	comp=Z,1.9nm,0.2s,baz=174,slow=2.0,SNR=6.2			LR	
QSPA	comp=Z,2um,18.1s,baz=30,slow=35			LR	
QSPA	comp=Z,264nm,1.0s			LR	
QSPA	South Pole Qui	70.85 180	/P	P	13 29 43.1 +0.4
QSPA	South Pole Qui	70.85 180	P	P	13 29 43.2 +0.5
QSPA			pP	pP	13 29 55.7 -0.3
UBPT	Khong Chiam	71.11 294	IAMB	IAMB	13 30 02.7
UBPT	Khong Chiam	71.11 294	P	P	13 29 45.8 +1.0
UBPT	Khong Chiam	71.11 294	/P	P	13 29 46.2 +1.4
KULM	Kulim	71.32 283	IAMB	IAMB	13 29 45.4 -0.8
KULM				pmax	
KULM	comp=Z,196nm,1.2s			MLR	
KULM	Kulim	71.32 283	/P	P	13 29 47.2 +1.0
KULM	Kulim	71.32 283	/P	P	13 29 46.1 -0.1
USA0B	Ussuriysk Arra	71.52 333	P	P	13 29 47.2 +0.5
USA0B	Ussuriysk Arra	71.52 333	P	P	13 29 47.2 +0.5
USRK	Ussuriysk Ar.	71.52 333	P	P	13 29 46.8 +0.1
USRK	comp=Z,138nm,0.9s,baz=115,slow=5.6,SNR=107			LR	
USRK	comp=Z,1um,21.0s,baz=148,slow=34			LR	
USRK	comp=Z,138nm,0.9s			LR	
PBSI	Pulau Batu	71.62 277	P	P	13 29 48.7 +0.7
CNSH	ChangSha	71.67 310	P	P	13 29 48.8 +0.8
CNSH			S	S	13 39 02.8 -1.6
CNSH	comp=Z,910nm,18.6s			LR	
CNSH	comp=Z,2um,22.8s			LR	
CNSH	comp=Z,3um,24.9s			LR	
SHEM	Shemys Is, Ala	71.77 3	LR	LR	13 56 24.5
KIWB	Kanaga Island	71.81 9	P	P	13 29 48.8 +0.6
ADK	Adak	71.91 9	P	P	13 29 48.7 -0.1
ADK			IAMB	IAMB	13 29 50.5
ADK	comp=Z,100nm,1.1s			MLR	
ADK	Adak	71.91 9	P	P	13 29 50.1 +1.3
ADK	Adak	71.91 9	P	P	13 29 48.7 -0.1
GULI	Guilin	72.01 306	P	P	13 29 51.3 +1.2
GULI			sP	pP	13 30 04.3 +0.8
GULI			S	S	13 39 09.3 +0.9
GULI				pmax	
GULI	comp=Z,140nm,1.4s			LR	
GULI	comp=Z,1um,23.8s			LR	
GULI	comp=Z,2um,20.0s			LR	
GULI	comp=Z,4um,21.7s			LR	
PSI	Prapat	72.01 280	P	P	13 29 49.9 -0.6
PSI	comp=Z,150nm,1.0s,baz=149,slow=3.4,SNR=70			pP	
PSI	comp=Z,111nm,1.0s,baz=148,slow=3.4,SNR=8.4			pP	
PSI			LR	LR	14 03 49.3
UGL	Uglegorsk	72.02 342	eP	S	13 29 50.4 +0.8
UGL				S	13 39 10.6 +3.1
UGL	comp=Z,200nm,1.2s			pmax	
WHN	Wuhan	72.02 312	/P	P	13 29 50.1 +0.1
WHN			pP	pP	13 30 03.1 -0.5
WHN			P	P	13 32 30.9 -0.4
WHN			S	S	13 39 06.5 -1.8
WHN			sS	sS	13 39 28.8 -2.0
WHN			SS	SS	13 43 49.5 +3.1
WHN	comp=Z,4um,3.7s			pmax	
WHN	comp=Z,4um,18.2s		LR	LR	
WHN	comp=Z,6um,20.3s		LR	LR	
WHN	comp=Z,12um,22.2s		LR	LR	
GSTR	Great Sitkin T	72.21 10	P	P	13 29 51.4 +0.7
PET	Petropavlovsk	72.46 354	P	P	13 29 52.2 +0.1
PET	Petropavlovsk	72.46 354	P	P	13 29 54.0 +1.9
PET	Petropavlovsk	72.46 354	eP	S	13 29 50.3 -1.8
PET			e	S	13 30 10.1
PET			eS	S	13 39 14.4 +2.1
PET				pmax	
PET	comp=Z,3um,12.6s			pmax	
PET	comp=Z,162nm,1.6s			pmax	
PET	comp=Z,2um,13.1s			pmax	
PET	comp=Z,4um,14.0s			MLR	

PET	comp=Z,2um,14.0s		MLR	MLR	
PET	Petropavlovsk	72.46 354	P	P	13 29 52.2 +0.1
TSI	Tuntungan	72.60 280	P	P	13 29 54.9 +1.0
ATKA	Atka Island	72.63 11	IAMB	IAMB	13 29 56.4
ATKA	comp=Z,64nm,0.9s		IAMS_20	IAMS_20	13 54 43.9
ATKA	Atka Island	72.63 11	P	P	13 29 54.8 +1.7
ATKA	Atka Island	72.63 11	/P	P	13 29 52.5 -0.6
PEA0B	Petropavlovsk-PEA0B	72.64 353	P	P	13 29 53.9 +0.6
PEA0B	Petropavlovsk-PEA0B	72.64 353	P	P	13 29 53.9 +0.6
PETK	Petropavlovsk-PEA0B	72.64 353	P	P	13 29 53.0 -0.3
PETK	comp=Z,84nm,0.9s,baz=135,slow=6.1,SNR=95				
PETK	Petropavlovsk-Dalian	72.64 353	P	P	13 29 53.0 -0.3
DL2	DL2	72.74 323	P	P	13 29 54.4 +0.3
DL2	DL2		sP	pP	13 30 07.0 -0.6
DL2	comp=Z,400nm,1.2s			pmax	
DL2	comp=Z,2um,6.5s			pmax	
DL2	comp=Z,2um,26.9s		LR	LR	
DL2	comp=Z,2um,23.3s		LR	LR	
DL2	comp=Z,5um,30.0s		LR	LR	
GSI	Gunungstoli	72.75 278	P	P	13 29 54.3 -0.5
GSI	Gunungstoli	72.75 278	P	P	13 29 55.9 +1.1
GSI	Gunungstoli	72.75 278	P	P	13 29 55.4 +0.6
GSI	comp=Z,7umcomp=Z,363nm,1.2s		/P	P	13 29 54.8 +0.1
MDJ	Mudanjiang	72.75 278	/P	P	13 29 56.4 +1.5
MDJ			pP	pP	13 30 09.5 +1.1
MDJ			PP	PP	13 32 37.5 -0.5
MDJ			S	SKIKP	13 39 22.8 -1.4
MDJ	comp=Z,420nm,1.2s			pmax	
MDJ	comp=Z,2um,9.3s			pmax	
MDJ	comp=Z,2um,23.4s		LR	LR	
MDJ	comp=Z,2um,17.2s		LR	LR	
MDJ	comp=Z,4um,23.2s		LR	LR	
MDJ	Mudanjiang	72.75 278	P	P	13 29 56.4 +1.5
KCSI	Kotacane, Aceh	73.34 280	P	P	13 29 57.8 -0.5
KCSI	comp=Z,4umcomp=Z,101nm,1.1s				
TYV	Tymovskoe	73.46 343	eP	S	13 29 59.4 +1.3
TYV			eS	S	13 39 23.6 -0.2
TYV				pmax	
TYV	comp=Z,2um,4.2s			pmax	
TYV	comp=Z,133nm,1.4s			pmax	
TYV	comp=N,900nm,4.9s			smax	
TYV				smax	
TIA	Tai'an	73.64 319	P	P	13 29 59.4 -0.1
TIA			S	SKIKP	13 39 24.9 -0.7
TIA				pmax	
TIA	comp=Z,130nm,1.1s			pmax	
TIA	comp=E,2um,8.2s			LR	
TIA	comp=E,1um,22.9s			LR	
TIA	comp=E,2um,22.0s			LR	
TIA	comp=E,3um,22.6s			LR	
SNY	Shenyang	73.72 326	/P	P	13 29 59.8 0.0
SNY			S	S	13 39 28.4 +1.2
SNY	comp=E,24nm,1.0s			pmax	
SNY	comp=E,1um,7.5s			LR	
SNY	comp=E,600nm,19.9s			LR	
SNY	comp=E,820nm,20.6s			LR	
SNY	comp=E,1um,20.8s			LR	
CN2	Changchun	74.21 329	P	P	13 30 02.8 +0.1
CN2			pP	pP	13 30 16.0 -0.2
CN2			S	S	13 39 32.8 +0.2
CN2				pmax	
CN2	comp=E,190nm,1.1s			pmax	
CN2	comp=E,2um,4.0s			LR	
CN2	comp=E,1um,20.0s			LR	
CN2	comp=E,2um,20.0s			LR	
CN2	comp=E,2um,29.0s			LR	
SNSI	Sinabang, Aceh	74.30 278	P	P	13 30 05.7 +1.8
SNSI	comp=E,7umcomp=E,421nm,1.8s				
NIKH	Nikolski High	74.44 14	P	P	13 30 02.3 -1.4
NIKH	baz=202				
NIKH	Nikolski High	74.44 14	P	P	13 30 04.3 +0.6
RPN	Rapa Nui	74.48 114	LR	LR	13 54 47.2
RPN	comp=Z,2um,21.5s,baz=252,slow=29				
LHMI	Lhok Sumawe	74.72 281	P	P	13 30 07.2 +0.9
BNX	Lhok Sumawe	74.72 281	P	P	13 30 05.4 -0.3
BNX	BinXian	74.75 331	/P	P	13 39 41.3 +2.8
BNX			S	S	
BNX				pmax	
BNX	comp=E,320nm,0.9s			pmax	
BNX	comp=E,2um,6.3s			pmax	
BNX	comp=E,2um,25.5s		LR	LR	
BNX	comp=E,1um,22.8s		LR	LR	
BNX	comp=E,3um,24.9s		LR	LR	
MLSI	Meulaboh, Aceh	74.88 280	P	P	13 30 08.3 +1.0
MLSI	comp=E,5umcomp=E,3umcomp=E,333nm,1.3s				
SLVN	Son La	75.20 299	IAMB	IAMB	13 30 27.9
SLVN	comp=Z,240nm,1.6s				
GRNR	Gornyy	75.27 339	/P	P	13 30 10.3 +1.3
GRNR			eS	S	13 39 09.9 +1.2
GRNR				pmax	
GRNR	comp=N,50nm,1.1s			pmax	
GRNR	comp=E,30nm,1.1s			pmax	
GRNR	comp=Z,130nm,1.2s			smax	
GRNR	comp=N,3.0nm,1.2s			smax	
ENH	Enshi	75.33 310	P	P	13 30 10.2 +0.7
GVA	Guiyang	75.46 305	/P	P	13 30 11.4 +0.9
GVA			S	S	13 39 50.9 +3.3
GVA			SS	SS	13 44 39.8 +0.5
GVA	comp=N,79nm,1.1s			pmax	
GVA	comp=N,3um,24.0s		LR	LR	
LYN	LuoYang	75.65 315	P	P	13 30 11.6 +0.4
LYN			pP	PcP	13 30 24.3 +0.5
LYN			S	S	13 39 49.3 +0.3
LYN			sS	sS	13 40 10.8 -1.0
LYN	comp=N,320nm,1.4s			pmax	
LYN	comp=N,3um,5.0s			LR	
LYN	comp=N,2um,22.3s			LR	
LYN	comp=N,2um,20.6s			LR	
LYN	comp=N,4um,24.1s			LR	
KLR	Kul'dur				

18d 13h

Table with columns for station ID, name, coordinates, and various data points. Includes stations like MA2 Magadan, MA2 Magadan, MA2 Magadan, etc.

2019 JAN

Table with columns for station ID, name, coordinates, and various data points. Includes stations like Q17K Contact Creek, P16K Nushagak River, ACHA Angle Creek, etc.

1042

Table with columns for station ID, name, coordinates, and various data points. Includes stations like ANM Nome, ANM Nome, ANM Nome, etc.

Table with columns: Station, Frequency, Class, Power, Location, Date, Time, and other parameters. Includes stations like Port Wells, Songo Array, Shilling, Bilibino, Willow, Palmer, etc.

Table with columns: Station, Frequency, Class, Power, Location, Date, Time, and other parameters. Includes stations like F17K, WAKR, G18K, I20K, TRF, PFO, YUH, etc.

Table with columns: Station, Frequency, Class, Power, Location, Date, Time, and other parameters. Includes stations like SNA4, SNA5, SNA6, NV11, C16K, S31K, etc.

18d 13h

Table with columns for station ID, name, elevation, date, and various performance metrics. Includes stations like C18K Utukok River, GNW Green Mountain, ILAR Eielson Array, etc.

2019 JAN

Table with columns for station ID, name, elevation, date, and various performance metrics. Includes stations like I26K Coal Creek Min, L29M L29M, MOY MOY, etc.

1044

Table with columns for station ID, name, elevation, date, and various performance metrics. Includes stations like MSU Marysvalde, MSU Marysvalde, C24K Franklin Bluff, etc.

18d 13h

Table of station data for 18d 13h, including columns for station name, coordinates, and various parameters like SNR and error rates.

2019 JAN

Main table of station data for 2019 JAN, including columns for station name, coordinates, and various parameters like SNR and error rates.

1048

Table of station data for 1048, including columns for station name, coordinates, and various parameters like SNR and error rates.

Table with columns for station name, frequency, and signal strength. Includes stations like DJR, KURS, KNOS, BLB, KDJ, KOTS, MDOK, ARXS, KNDC, CHKK, TDK, ULHL, MTBS, DGS, TKM2, KRBS, KSH, WMQ, KBK, MAK2, MK31, MKAR, MKAF, CHMS, FRU1, AAK, AAK, AAK, USP, EKS2.

Table with columns for station name, frequency, and signal strength. Includes stations like AML, ZSN, MRKS, BTLS, ARSB, DRK, KK31, GAR, KURB, KURK, KURK, KURK, CHGR, NIL, GOMU, KBL, ZAAO, ZALV, BVAR, BVAR, BRVK, AB31, AKTO, SONM, SONM, ULN, ARTI, ARTI, ARTI, ARTI, ARTI, BTO, BTO, BTO, BELG, KIRV, CMAR, CMAR, OBN, RAYN, RAYN, KLR, BR13, BR13, BR13, BRTR, BRTR, ANTO, ANTO, ANTO, AKASG, AKASG, AKAB, AKAB, AKAB, KIEV.

Table with columns for station name, frequency, and signal strength. Includes stations like KIEV, KIEV, FINES, FINES, FINES, ARCES, ARCES, ARCES, HFS, NC405, ATD, NC602, NC303, NB2, NOA, NOA, NOA, NC204, C18K, B20K, B20K, B22K, B22K, E18K, ESDC, F21K, C27K, E28M, E29M, E29M, C36M, C36M, G31M, H31M, H31M, KNRA, N31M, TORI, TORI, TORI, YKA, YKA, YKA, WRAB, WRAB, WRAB, WRA, WRA, WRA, WB2, WB2, ASAR, ASAR, IDC 18 14:14:57.6, m35/3, m35/3, Error ellipse, WRA, ASAR, MKAR, RSNC 18 14:35:09.0, FUNW 18 14:35:11.9, Code Station Name, SDV, SDV, SDV, SDV, SOCV, TEPU, MCOV, CAPV, MAPV, JACV, URIC, URIC, URIC, CRJC, CRJC, BAUV, BAUV, OCAC, OCAC, OCAC, PAMC, PAMC, PAMC, TAME, TAME, TAME, TAME, BENV, BENV, ARGC, ARGC, ARGC, ARGC.

18d 15h

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like BARC Barichara, TACV Tcata, BRJC Barrancabermej, SMRC Santa Marta, M, FUNV FUNVISIS, RUSC La Rusia, MERV Las Mercedes, SJCJ San Jacinto, C, ZARC Zaragoza, Cauc, PUERTO BERRIO, UREC San Jos de Ur, CHIC Chingaza, APAC Apartado, Choc, VILC Villavicencio, GUY2C Guyana, Caldas, PRAC Prado, ORTC Ortega, Tolima, PLMC San Jos del P, URMC La Uribe, Meta.

ATH 18 14:37:09.5, 37.57N-20.72E, h8km, 3km, ML2.4/10, Error ellipse: s-maj=3.6km s-min=1.2km az=31.0, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like LTHK Lithakia, KYPS Kipseli, Zakin, ORTH Orthones, Zaky, CLEM Kytilini, Iliia, G, PSDA Pessada-Kefalo, VLS Valsamata, DMLN Damouliana-K, RLOS of Patr, RLS RLS, AMT Artemida-Makis, DRO Drossia, FSK Fiskardo, ITM Ithomi, KLV Kalavryta, Ach, TSKL Tsakalades, L, GOUR Gour, GUR Gour.

2019 JAN

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like KALE Kalithea, ANX Anx Chora, ANX comp=N, 197um, 0.5s, ANX comp=N, 458um, 0.5s, ANX comp=E, 320um, 0.7s.

ATH 18 14:38:03.1, 37.67N-20.72E, h10km, 3km, ML2.0/5, Manual Solution by N.Liadopoulos This location: 2020/07/01 07:19:59 ML Amplitudes are expressed in micrometers. All distances are expressed in degrees. Latitude uncertainty: 2 km; Longitude uncertainty: 3 km, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like LTHK Lithakia, KYPS Kipseli, Zakin, ORTH Orthones, Zaky, CLEM Kytilini, Iliia, G, PSDA Pessada-Kefalo, VLS Valsamata, DMLN Damouliana-K, AMT Artemida-Makis, FSK Fiskardo, EVGI Lefkada Island.

NEIC 18 14:41:50.0, 0.7, 36.79N, 0.01, 98.33W, 0.02, h5km, 4km, Error ellipse: s-maj=2.2km s-min=1.5km az=112.0

NEIC 18 14:41:50.1, 0.8, 36.78N, 0.01, 98.32W, 0.01, h5km, 1km, mb_Lg2.0/7, ML2.5/28, ML2.8/20, Error ellipse: s-maj=2.9km s-min=1.9km az=122.0, Oklahoma

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like KAN14 Manchester OK, GC02 Grant County #, CROK Carrier, KAN01 Anthony SW Sta, NOKA Waynoka, KAN08 Anthony NE Sta, KAN12 Harper NE Sta, KAN12, KAN01 Argonia South, KAN09 Caldwell North, KAN13 South Haven SW, BLOK Blackwell, CSTR Hydro, Custer, QUOK Quay, R32A Battle Ridge R, FNO Franklin, W35A Tecumseh, WMOK Wichita Mounta, X34A Smith Ranch, M, SMWD Samnorwood.

IDC 18 14:42:28.6, 1.5, 2.21S, 100.20E, h0km, mb4.0/11, mbtm4.0/11, MS3.9/2, Error ellipse: s-maj=60.2km s-min=15.1km az=56.0

DJA 18 14:42:29.3, 0.6, 3.5S, 101.0E, h26km, 5km, M4, 1/13, mb4.2/2, MLv4.1/13

NEIC 18 14:42:32.2, 0.5, 2.01S, 100.05E, 100.38E, 0.08, h29km, 6km, mb4.3/10, Error ellipse: s-maj=12.2km s-min=7.6km az=85.0

ISC 18 14:42:30.9, 0.7, 2.52S, 100.08E, 100.0E, 1.1, h30km, n55, r184/33, mb4.2/18, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like PPSI Pulau Pagai, SISI Saibi, PPSI Padang, PPI Padang Panjang, PBSI Pulau Batu, MNAI Manna, MNAI Manna, GSI Gunungsitoli, GSI Gunungsitoli, MDSI Maura Dua, LWLI Liwa, MYKOM Kota Tinggi, CGJI Cibinong, KULM Kulim, KSM Kuching, CUMR Chiang Mai Arr, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, FITZ Fitzroy Crossi, KNRA Kununurra, H01W3 Cape Leeuwijn H, H01W2 Cape Leeuwijn H, H01W1 Cape Leeuwijn H, WB0 Warramunga Arr, WRA Warramunga Arr, WRAB Tennant Creek, WRAB.

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Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like WB2 Warramunga Arr, WRO Warramunga Arr, ASAR Alice Springs, XLT Stephens Creek, STKA Stephens Creek, JCJ Chichijima, SONM Songino Array, MK31 Makanchi Array, MKAR Makanchi Array, UA08 Usuryevsk Arr, USRK Usuryevsk Arr, KURBB Kurchatov Arr, ZALV Zalesovo Beam, H04N2 Crozet Islands, H04N1 Crozet Islands, H04N3 Crozet Islands, H04S1 Crozet Islands, BVAR Borovoye Array, H04S2 Crozet Islands, H04S3 Crozet Islands, BKZ Black Stump Fm, ARTI Arti, TIXI Tikisi, PKPFP PKPFP, FINES Finess Array B, TXAR Lajitas Array.

SJA 18 15:02:52.9, 0.7, 30.778S, 71.45W, h65km, 4km, ML4.2, MW4.2

NEIC 18 15:02:53.8, 2.5, 30.79S, 0.05, 71.58W, 0.09, h62km, 7km, mb4.6/15, Error ellipse: s-maj=11.0km s-min=7.0km az=97.0

GUC 18 15:02:54.0, 0.8, 30.77S, 71.30W, h62km, 4km, ML4.4, IDC 18 15:02:54.3, 0.6, 30.79S, 71.33W, h67km, 4km, mb4.3/8, mbtm4.3/12, Error ellipse: s-maj=22.5km s-min=14.6km az=93.0

ISC 18 15:02:53.6, 0.4, 30.75S, 0.03, 71.48W, 0.04, h69km, 3km, n124, r149/145, mb4.5/16, 3C-ID, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, Code, Station Name, Az, Phase ID, Op, ISC, Time, Res. Includes stations like CO06 Fray Jorge, CO06 Fray Jorge, CO06, CO03 El Pedregal, CO03 El Pedregal, CO03 El Pedregal, GO04 Tololo Observa, GO04 Tololo Observa, GO04 Tololo Observa, CO05 La Serena, CO05 La Serena, CO05 Los Peladeros, CO04 Juntas del Tor, CO01 Juntas del Tor, CO01 Juntas del Tor, VA06 Catapilco, LRO Rodoc, LCO Las Campanas, LCO Las Campanas, LCO Las Campanas, DOCA Reserva Natur, ACCO Cerro Coronel, ACCV Cuesta del Vie, RTLS Leoncito, VA03 San Esteban, VA03 San Esteban, VA03 San Esteban, ROC1 El Roble, VA01 Torpederas, PEL Peldehue, PEL Peldehue, MT02 Curacav, MT02 Curacav, ZON Zonda, ZON Zonda, AC04 Llanos de Chal, AC04 Llanos de Chal, SJA San Juan, SJA, RTLL Cerro Villucun.

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Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Renca, CCHEN, Universidad Ad, GUANDACOL, Ro Olivares, Santo Domingo, etc.

2019 JAN

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WAKE ISLAND, WAKE ISLAND, WAKE ISLAND, etc.

RSNC 18 15:10:01.4, 0.0, 9'N, 3'W, h0km, 3km, M2, 7, mb3, 3, ML2.5

FUN 18 15:10:02.1, 9.22N, 70.70W, h1km, MW3.2

ISC 18 15:10:00.4, 2.923N, 103.037W, 0.02, h8km, 17km, n24, c1862, 20, 2D, Venezuela

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Santo Domingo, Santo Domingo, Socops, etc.

NEIC 18 15:17:30.2, 1.9, 35.28N, 0.01, 97.95W, 0.02, h10km, 4km, Error ellipse: s-maj=2.1km s-min=1.7km az=126.0

NEIC 18 15:17:29.1, 1.6, 35.272N, 0.006, 97.95W, 0.01, h5km, 1km, mb_Lg2.8/53, ML2.9/21, Error ellipse: s-maj=2.8km s-min=1.8km az=281.0, Oklahoma

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like OKLAHOMA CITY, Franklin, Bluff Creek, etc.

18d 15h

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Long Quarter, Snyder, Hobbs, etc.

AEIC 18 15:22:05.0, 8.8, 58.37N, 0.06, 155.95W, 0.1, h153km, ML3.0, M3.0, 0.98(NEIC), Error ellipse: s-maj=8.7km

NEIC 18 15:22:05.0, 7.58, 36N, 0.06, 155.94W, 0.10, h154km, 5km, Error ellipse: s-maj=8.6km s-min=6.9km az=206.0

IDC 18 15:22:13.4, 6.1, 59.44N, 156.12W, h202km, 49km, mb3, 1/3, mbmp3.8/5, Error ellipse: s-maj=58.0km s-min=25.1km az=13.0

ISC 18 15:22:05.0, 8.58, 40N, 0.04, 155.90W, 0.04, h154km, 6km, n134, c1936, 132, Alaska Peninsula

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Mount Kelaz, Contact Creek, Katmai Vly 10, etc.

18d 15h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Tigyukvaiv M, Bradley Lake, BRSE, VNIANOT 5, M16K, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DAWY Dawson, INK Inuvik, L29M, L29M, EGAK Eagle, etc.

1052

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like XAN, HNS HongShan, HNS, HNS, HNS, etc.

18d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SJS3, ESPN, and various local radio stations.

2019 JAN

Table with columns for station name, frequency, power, and other technical details. Includes stations like X40A, ELIS, OK029, and various regional radio stations.

1054

Table with columns for station name, frequency, power, and other technical details. Includes stations like CPCT, SPR3, BRIGG, and various regional radio stations.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Punta Cana, Blacksburg, Snow King Mountain, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Marine on St. Louis, N53A, L02F, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Guadaloupe-3 Ogdensburg, ANBD Bethesda, etc.

18d 16h

Table with columns for call sign, name, frequency, power, and status. Includes stations like WES, BCX, PB01, HNH, etc.

2019 JAN

Table with columns for call sign, name, frequency, power, and status. Includes stations like AHML, Horco Molle, ACCO, Ferro Coronel, etc.

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Table with columns for call sign, name, frequency, power, and status. Includes stations like TBI, Tubuai, TBI, comp=Z,11µm,29.2s, etc.

YUK3	comp=Z,56nm,1.1s baz=136	59.90 344	P	P	16 50 47.7 +0.5
MAYO	Mayo, Yukon	59.91 344	IAMS_20	IAMS_20	17 19 23.1
MAYO	Mayo, Yukon	59.91 344	P	P	16 50 47.7 +0.7
LDASE	Londrina, Braz	60.02 123	eP	P	16 50 48.8 +0.3
BERG	Berg Lake	60.05 338	IAMS_20	IAMS_20	17 12 15.5
TRQA	Torquist	60.14 143	P	P	16 50 50.5 +1.5
TRQA	comp=Z,51nm,1.3s	60.14 143	IAMB	IAMB	16 51 01.2
TRQA	Torquist	60.14 143	P	P	16 50 50.5 +1.5
TRQA	comp=Z,51nm,1.3s	60.14 143	Pmax	Pmax	
TRQA	comp=Z,6um,18.0s	60.17 343	IAMB	IAMB	16 51 05.0
L29M	comp=Z,52nm,1.2s	60.17 343	IAMS_20	IAMS_20	17 15 47.1
L29M	comp=Z,4um,19.0s	60.17 343	P	P	16 50 49.7 +0.9
L29M	baz=140	60.17 343	P	P	16 50 49.7 +0.9
TBOT	Tacuaremb	60.29 134	eP	P	16 50 52.1 +2.0
IPMB	Ipameri, GO	60.41 116	eP	P	16 50 51.2 0.0
Q23K	Middleton Isla	60.44 336	P	P	16 50 51.5 +0.9
BVCY	Beaver Creek	60.49 341	P	P	16 50 51.8 +0.7
VRDI	Verde Repeater	60.53 339	IAMB	IAMB	16 51 07.4
VRDI	comp=Z,47nm,1.6s	60.53 339	IAMS_20	IAMS_20	17 18 52.1
COYC	Coyhaigue	60.54 155	IAMS_20	IAMS_20	17 10 44.9
K29M	Barlow Dome	60.55 343	IAMS_20	IAMS_20	17 14 40.3
K29M	Barlow Dome	60.55 343	P	P	16 50 52.2 +0.7
FRB	Frisher Bay	60.69 17	LR	LR	17 17 39.3
BMRM	Bremner River	60.77 338	P	P	16 50 53.6 +0.6
M27K	Edge Creek, AK	60.78 341	P	P	16 50 54.1 +0.9
J30M	Hart River	60.80 344	IAMS_20	IAMS_20	17 16 46.7
J30M	Hart River	60.80 344	P	P	16 50 54.0 +0.8
GLB	Gilahina Butte	60.81 339	IAMS_20	IAMS_20	17 19 00.3
EYAK	Cordova Ski Ar	60.92 338	P	P	16 50 54.7 +0.8
M26K	Nabesna, AK	61.19 340	IAMS_20	IAMS_20	17 17 21.9
M26K	Nabesna, AK	61.19 340	P	P	16 50 56.7 +0.9
N25K	Chitina, Valde	61.20 339	IAMB	IAMB	16 51 07.0
N25K	comp=Z,31nm,1.1s	61.20 339	IAMS_20	IAMS_20	17 19 13.7
N25K	Chitina, Valde	61.20 339	P	P	16 50 56.3 +0.4
P23K	Montague Islan	61.21 337	P	P	16 50 56.6 +0.6
J29N	Klondike Camp	61.22 344	P	P	16 50 56.0 -0.1
BCAR	Beaver Creek A	61.26 341	P	P	16 50 56.7 +0.4
DAWY	Dawson	61.26 343	IAMS_20	IAMS_20	17 16 29.0
DAWY	Dawson	61.26 343	P	P	16 50 56.9 +0.6
BB19B	Bebedouro	61.27 119	eP	P	16 50 57.5 +0.4
L27K	Beaver Creek	61.27 341	IAMS_20	IAMS_20	17 12 52.4
L27K	Beaver Creek	61.27 341	P	P	16 50 57.2 +0.8
H31M	Peel River	61.29 346	IAMB	IAMB	16 51 11.8
H31M	comp=Z,4um,21.0s	61.29 346	IAMS_20	IAMS_20	17 19 57.1
H31M	Peel River	61.29 346	P	P	16 50 57.0 +0.6
FR1B	Fatura	61.29 122	eP	P	16 50 56.7 -0.5
I30M	Mount Dempster	61.33 345	IAMS_20	IAMS_20	17 17 49.4
I30M	Mount Dempster	61.33 345	P	P	16 50 57.8 +1.0
CP5B	Cacapava Do Su	61.45 131	eP	P	16 50 58.2 +0.1
KLU	Klutina	61.60 338	IAMS_20	IAMS_20	17 18 19.3
KLU	Klutina	61.60 338	P	P	16 50 59.3 +0.7
SDBA	SAO DESIDERIO	61.66 109	eP	P	16 51 00.2 +0.4
L26K	Log Cabin Wild	61.74 341	IAMS_20	IAMS_20	17 19 36.8
L26K	Log Cabin Wild	61.74 341	P	P	16 51 01.0 +1.5
MENT	Mentasta	61.80 340	IAMS_20	IAMS_20	17 19 46.5
HARP	HAARP	61.92 339	P	P	16 51 01.6 +0.9
I29M	Ogilvie Camp	61.94 344	IAMS_20	IAMS_20	17 17 21.9
I29M	Ogilvie Camp	61.94 344	P	P	16 51 01.4 +0.6
PLTB	Pedras Altas	62.02 133	P	P	16 51 02.6 +0.7
PLTB	comp=Z,30nm,1.1s	62.02 133	IAMB	IAMB	16 51 10.0
M24K	Tolsona, Glenn	62.09 339	IAMS_20	IAMS_20	17 20 05.3
M24K	Tolsona, Glenn	62.09 339	P	P	16 51 02.9 +0.9
SEW	Seward	62.09 336	P	P	16 51 02.2 +0.4
PWL	Port Wells	62.10 337	P	P	16 51 02.2 +0.6
KDAK	Kodiak Island	62.13 333	IAMS_20	IAMS_20	17 12 49.9
KDAK	Kodiak Island	62.13 333	LR	LR	17 13 10.4
KDAK	Kodiak Island	62.13 333	P	P	16 51 02.1 0.0
OHAK	Old Harbor	62.16 332	IAMB	IAMB	16 51 08.2
OHAK	Old Harbor	62.16 332	P	P	16 51 02.9 +0.6
PMNB	Patos De Minas	62.18 116	eP	P	16 51 03.5 +0.2
G31M	Satah River	62.19 347	P	P	16 51 03.6 +1.3
SII	Sitkinak Islan	62.24 331	IAMS_20	IAMS_20	17 10 54.1
SII	Sitkinak Islan	62.24 331	P	P	16 51 03.4 +0.4
EGAK	Eagle	62.31 343	P	P	16 51 04.8 +1.6
EGAK	comp=Z,3um,20.0s	62.31 343	IAMS_20	IAMS_20	17 17 01.7
EGAK	Eagle	62.31 343	P	P	16 51 03.5 +0.2
EPYK	Eagle Plains	62.32 346	P	P	16 51 03.4 0.0
SCM	Sheep Creek Mo	62.33 338	IAMS_20	IAMS_20	17 18 41.8
SCM	Sheep Creek Mo	62.33 338	P	P	16 51 03.6 0.0
BRSE	Bradley Lake S	62.41 335	P	P	16 51 03.9 -0.1
PAX	Paxson	62.41 340	P	P	16 51 03.9 -0.2
O22K	Cooper Landing	62.42 336	P	P	16 51 04.0 0.0
C36M	Paulatuk	62.45 352	P	P	16 51 04.3 +0.2
M23K	Glacier View	62.45 338	P	P	16 51 04.7 +0.4
I28M	comp=Z,57nm,1.7s	62.46 344	IAMB	IAMB	16 51 21.4
I28M	comp=Z,4um,20.0s	62.46 344	P	P	16 51 04.7 +0.3
BRLL	Bradley Lake	62.48 335	IAMB	IAMB	16 51 18.3
BRLL	comp=Z,54nm,1.2s	62.48 335	IAMS_20	IAMS_20	17 12 53.0
Q20K	Shuyak Island	62.49 334	P	P	16 51 04.0 -0.5
KNK	Knik Glacier	62.49 337	P	P	16 51 04.3 -0.3
F31M	Tsigehtochic	62.50 347	IAMB	IAMB	16 51 11.6
F31M	comp=Z,42nm,1.3s	62.50 347	P	P	16 51 04.9 +0.5
CHIR	Chirikof Islan	62.59 330	IAMS_20	IAMS_20	17 11 20.4
CHIR	Chirikof Islan	62.59 330	P	P	16 51 05.1 -0.2
SCRK	Sand Creek	62.60 341	IAMB	IAMB	16 51 20.8
SCRK	comp=Z,76nm,1.8s	62.60 341	IAMS_20	IAMS_20	17 18 55.7
SCRK	Sand Creek	62.60 341	P	P	16 51 06.0 +0.6
H29M	Whitstone	62.62 345	IAMB	IAMB	16 51 13.4
H29M	Whitstone	62.62 345	P	P	16 51 05.8 +0.5
RAR	Rarotonga	62.63 241	IAMS_20	IAMS_20	17 09 59.6
RAR	comp=Z,3um,19.0s	62.63 241	LR	LR	17 11 37.6
RAR	Rarotonga	62.63 241	LR	LR	17 11 37.6
SLKM	Skilak Lake	62.64 336	IAMB	IAMB	16 51 19.3
SML	Sawmill	62.69 338	IAMB	IAMB	16 51 19.6
SML	comp=Z,40nm,0.9s	62.69 338	P	P	16 51 05.9 0.0
G30M	TAOH Zraii Nji	62.69 346	IAMS_20	IAMS_20	17 17 19.6
G30M	TAOH Zraii Nji	62.69 346	P	P	16 51 06.2 +0.3
RIDG	Independent R	62.72 341	IAMB	IAMB	16 51 21.6
RIDG	comp=Z,55nm,1.2s	62.72 341	IAMS_20	IAMS_20	17 19 11.8
RIDG	Independent R	62.72 341	P	P	16 51 05.8 -0.3
HOM	Home	62.74 335	P	P	16 51 06.4 +0.3
RC01	Rabbit Creek A	62.79 337	IAMB	IAMB	16 51 19.5
RC01	Rabbit Creek A	62.79 337	P	P	16 51 06.6 0.0
J26L	Joseph Creek	62.84 342	IAMS_20	IAMS_20	17 18 12.2
J26L	Joseph Creek	62.84 342	P	P	16 51 07.5 +0.6
PMR	Palmer	62.86 337	IAMB	IAMB	16 51 22.1
PMR	comp=Z,68nm,1.5s	62.86 337	P	P	16 51 07.5 +0.6
GHO	Globy Hole Cre	62.89 338	IAMB	IAMB	16 51 20.9
JANB	Januarja	62.99 112	eP	P	16 51 07.2 -1.5
I27K	Kandik River	63.04 343	P	P	16 51 08.6 +0.4
K24K	Donnelly Dome	63.07 340	P	P	16 51 09.0 +0.5
G29M	Pine Creek	63.07 345	IAMB	IAMB	16 51 15.8
G29M	comp=Z,69nm,1.2s	63.07 345	P	P	16 51 09.5 +1.1
F30M	Barrier River	63.09 347	P	P	16 51 09.5 +1.1
CAPN	Capin Cook N	63.16 336	P	P	16 51 08.7 -0.3
INK	Inuvik	63.17 348	IAMB	IAMB	16 51 12.4
INK	comp=Z,33nm,1.1s	63.17 348	IAMS_20	IAMS_20	17 18 45.1
INK	Inuvik	63.17 348	LR	LR	17 19 37.8
INK	Inuvik	63.17 348	P	P	16 51 09.0 0.0
SPB	Sao Paulo	63.18 122	eP	P	16 51 10.5 +0.8
I26K	Coal Creek Min	63.28 342	IAMB	IAMB	16 51 17.1
I26K	comp=Z,3um,18.0s	63.28 342	IAMS_20	IAMS_20	17 17 43.4
I26K	Coal Creek Min	63.28 342	P	P	16 51 10.0 +0.3
M22K	Willow	63.33 337	P	P	16 51 10.1 0.0
VAO	Valinhos	63.35 121	P	P	16 51 12.3 +1.3
VAO	Valinhos	63.35 121	eP	P	16 51 11.5 +0.5
O20K	Slope Mountain	63.38 335	P	P	16 51 10.4 -0.2
SUA	Susitna One	63.41 337	IAMB	IAMB	16 51 26.1
SUA	Susitna One	63.41 337	P	P	16 51 11.0 +0.2
P19K	Oil Pt	63.41 334	P	P	16 51 10.8 0.0
MAJ01	Sao Joao Batis	63.46 126	eP	P	16 51 12.0 +0.4
H27K	Steamboat Moun	63.48 344	P	P	16 51 11.5 +0.4
J25K	Salcha River	63.48 341	IAMB	IAMB	16 51 27.3
J25K	comp=Z,48nm,1.6s	63.48 341	IAMS_20	IAMS_20	17 18 33.8
J25K	Salcha River	63.48 341	P	P	16 51 11.6 +0.4
CUT	Chullitna	63.78 338	IAMB	IAMB	16 51 26.8
CUT	comp=Z,40nm,1.0s	63.78 338	IAMS_20	IAMS_20	17 21 13.9
CUT	Chullitna	63.78 338	P	P	16 51 13.0 0.0
SPCR	Spurr Chakacha	63.83 336	P	P	16 51 13.1 -0.4
HDA	Hardng Lake	63.86 341	IAMB	IAMB	16 51 29.1
HDA	comp=Z,49nm,1.5s	63.86 341	IAMS_20	IAMS_20	17 19 47.9
HDA	Hardng Lake	63.86 341	P	P	16 51 13.5 -0.1
RND	Reindeer	63.87 339	IAMS_20	IAMS_20	17 20 56.4
Q17K	Contact Creek	63.88 332	P	P	16 51 13.2 -0.8
G27K	Doyon Strip	63.94 344	IAMB	IAMB	16 51 32.0
G27K	Doyon Strip	63.94 344	P	P	16 51 14.0 -0.1
SKT	Skwentna	64.01 337	IAMB	IAMB	16 51 29.8
SKT	Skwentna	64.01 337	P	P	16 51 14.5 -0.1
F28M	Old Crow	64.07 345	IAMB	IAMB	16 51 22.2
F28M	comp=Z,26nm,1.0s	64.07 345	IAMS_20	IAMS_20	17 19 50.1
F28M	Old Crow	64.07 345	P	P	16 51 14.7 -0.2
IL31	comp=Z,33nm,1.1s	64.08 341	IAMB	IAMB	16 51 21.7
ILAR	Eielson Array	64.08 341	P	P	16 51 15.0 0.0
MCK	McKinley	64.10 339	P	P	16 51 14.9 -0.3
PRP	Porcupine Dome	64.14 342	IAMS_20	IAMS_20	17 18 10.2
PRP	Porcupine Dome	64.14 342	P	P	16 51 15.8 +0.2
P18K	Big Mountain	64.15 333	P	P	

18d 16h

Table with columns: ID, Name, Comp, Z, J, M, S, P, Max, Min, etc. Includes entries like G23K Bananza Creek, C27K Jago River, C27K Jago River, etc.

2019 JAN

Table with columns: ID, Name, Comp, Z, J, M, S, P, Max, Min, etc. Includes entries like I17K Unalakleet, NIKH Nikolski High, RCBA Riachuelo, etc.

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Table with columns: ID, Name, Comp, Z, J, M, S, P, Max, Min, etc. Includes entries like SCO comp=Z,63nm,1.7s, SCO Scoresbysund, DBG Daneborg, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like Urewera, Tauwharepae, Matawai, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like Denniston North, Greta Valley S, Greta Valley S, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like Honiara, Nonsau, Charters Tower, etc.

IDC 18 17:08:39.2±0.6 8.41N: 103.15W, h0km, mb4.3/13, mbmp4.3/15, ML3.7/2, MS4.7/45, Error ellipse: s-maj=27.3km s-min=14.7km az=65.0

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like TLIG, MOIG, CMIG, etc.

Table with columns: Station, City, Time, Day, Signal, and Frequency. Includes stations like DRIO Hondo, SAND Sanderson, MLDN Muldoo, HKT Hockley, etc.

Table with columns: Station, City, Time, Day, Signal, and Frequency. Includes stations like SHPR Sheep Range, MTPU Mount Pierson, PBMO Poplar Bluff, etc.

Table with columns: Station, City, Time, Day, Signal, and Frequency. Includes stations like TAOE, HAWA Hanford, E07A Sunnyside, etc.

18d 18h

Table with columns for station name, frequency, power, and coordinates. Includes stations like MAKZ Makanchi, GOMU GeErMu, SONM Songo Array, etc.

2019 JAN

Table with columns for station name, frequency, power, and coordinates. Includes stations like MNK comp=Z,6.0nm,0.8s,baz=76, PETK Petropavlovsk, AKASO Malin Array Be, etc.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like MOOV Moose Ponds, YFT Old Faithful, YNH Hoimes Hill, etc.

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

DJA 18:26:22.0,4,0.5,5:4.14:16E, h55km,4km, M5,0/36, mb5,0/36, mB5,4/11, MLV5,5/4, MW(mB)4,8/11

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Manus Island, TABU Tabubil, JAY Jayapura, etc.

Table with columns: ORI, Oriolo Calabro, 0.89 33, P, Pn, 19 04 41.6 +1.1, etc. Includes stations like PETRA, HLNI, VAE, RAFF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like WEL, MXZ, PKGZ, HAZ, etc.

Table with columns: ARCES, ARCESS Array B, 52.45 353, P, P, 19 29 25.3 -0.1, etc. Includes stations like PDGK, UZB, SATY, etc.

18d 20h

2019 JAN

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Table with columns: ID, Name, Comp, Z, SNR, P, M, S, D, T, R, L, A, I, Amb, P, Pmax, and values for various locations like ANM Nome, M13K Dall Lake, J14K Nanvaranak Lak, etc.

Table with columns: ID, Name, Comp, Z, SNR, P, M, S, D, T, R, L, A, I, Amb, P, Pmax, and values for various locations like H18K Honhosa River, M17K Holitna River, F19K Shalerucik Mo, etc.

Table with columns: ID, Name, Comp, Z, SNR, P, M, S, D, T, R, L, A, I, Amb, P, Pmax, and values for various locations like H21K Melozitna Rive, OHAK Old Harbor, O20K Slope Mountain, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like SML Sawmill, CCB Clear Creek Bu, G24K Clear Creek, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like F28M Old Crow, TKM2 Tokmak 2, TKM2 Tokmak 2, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like N31M Braeburn, O30N Mendenhall, DZA Taraz, etc.

m5: 7/848, Mwb5: 7/35, Mww5: 7/72 Error ellipse:
 s-maj=12.0km s-min=9.5km az=50.0 Moment Tensor
 Solution. Moment tensor. Scale 10¹⁷Nm; M-r=1.0;
 Mww 1.61; Mw-0.49; Mw-0.05; Mw-0.78; Mw-0.53; Fault
 plane location: M4: 610000;1017 NP1: 6161570000;
 643.340000, 64.88450000. NP2: 339.240000, 64.1680000,
 61.91.740000. Principal axes: T 3.7999, Plg7.0000, P
 Azm250.0000; N 1.3309, Plg1.0000, Azm341.0000; P
 5.1308, Plg6.0000; Azm90.0000;
 GCMT 18.21:27:03.0, 1.327S; 0.01:76:84W; 0.01, h116km,
 MWS: 7/153, Moment Tensor Solution: s153,c275,
 s141,c281; D: 102, P: 17, Moment tensor. Scale 10¹⁷
 Nm; M-r=4.65; O4: Mw=1.27; O4: Mw=3.38; O5:
 Mw=0.89; O4: Mw=0.84; O4: Mw=0.49; O4: Best double
 couple: M4.271000;1017 NP1: 6433470000, 840.000000,
 61.800000. NP2: 339.15300000, 651.000000,
 61.99.000000. Principal axes: T 3.7440, Plg5.0000,
 Azm249.0000; N 1.0540, Plg7.0000, Azm159.0000; P
 -4.7980, Plg2.0000, Azm18.0000; nsta1 refers to body
 waves, cutoff=40s. nsta2 refers to surface waves,
 cutoff=50s. Triangular moment-rate function

BGR 18.21:27:03.0, 2.615S; 73.65W; h109km; 2km, mb5.1
 ISC 18.21:26:59.8, 2.328S; 0.03:76:78W; 0.03, h101km, 1km,
 n1102; O4: P, n1664, o1946; 158z, mb5.7195, 17CZD,
 Northern Peru

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC	
Op	h	m	s	ISC	h	m	s
COHC	Cochancay	2.61 288	P	Pn	21 27 39.6	-0.8	
COHC	Cochancay	2.61 288	P	Pn	21 27 39.6	-0.8	
COHC	Cochancay	2.61 288	P	Sn	21 28 10.7	-0.9	
COHC	Cochancay	2.61 288	P	S	21 27 39.6		
PIAT	Ana Tenorio	2.71 327	P	Pn	21 27 41.8	-0.4	
PIAT	Ana Tenorio	2.71 327	P	Pn	21 27 41.8	-0.4	
BONI	La Bonita	3.78 348	P	Pn	21 27 56.7	+0.3	
BONI	La Bonita	3.78 348	P	Pn	21 27 56.7	+0.3	
OTAV	Otavallo	3.88 334	P	Pn	21 27 58.6	+0.8	
OTAV	Otavallo	3.88 334	P	Pn	21 27 58.6	+0.8	
OTAV	Otavallo	3.88 334	P	Pn	21 27 58.6	+0.8	
OTAV	Otavallo	3.88 334	P	Pn	21 27 59.2	+1.4	
OTAV	Otavallo	3.88 334	P	Pn	21 28 00.9	-3.0	
CUSE	Cuicocha Este	3.91 335	P	Pn	21 28 00.9	+2.6	
CUSE	Cuicocha Este	3.91 335	P	Pn	21 28 00.9	+2.6	
PTLC	Puerto Leguiza	3.96 300	P	Pn	21 27 56.3	-2.2	
PTLC	Puerto Leguiza	3.96 300	P	Pn	21 27 56.3	-2.2	
PACT1	Pacto, Paraso	4.06 330	P	Pn	21 28 01.6	+1.6	
PACT1	Pacto, Paraso	4.06 330	P	Pn	21 28 01.6	+1.6	
TULM	Tulcn-Chalpat	4.10 346	P	Pn	21 28 02.7	+1.9	
TULM	Tulcn-Chalpat	4.10 346	P	Pn	21 28 02.7	+1.9	
ATAH	Athualpa	4.16 203	P	Pn	21 28 02.4	+0.8	
ATAH	Athualpa	4.16 203	P	Sn	21 28 49.1	-0.3	
CMB	Cumbal	4.32 346	P	Pn	21 28 07.2	+3.3	
CMB	Cumbal	4.32 346	P	Pn	21 28 07.2	+3.3	
PPLP	Puerto Lpez	4.35 293	P	Pn	21 28 00.9	-3.0	
PPLP	Puerto Lpez	4.35 293	P	Pn	21 28 00.9	-3.0	
CRUC	La Cruz	4.82 358	P	Pn	21 28 12.3	+1.8	
CRUC	La Cruz	4.82 358	P	Pn	21 28 12.3	+1.8	
FLOC	Florencia	4.96 130	Pn	Pn	21 28 12.7	+0.6	
FLOC	Florencia	4.96 130	Pn	Pn	21 28 12.8	+0.7	
FLOC	Florencia	4.96 130	Pn	Pn	21 28 12.8	+0.7	
BBAC	Balboa, Cauca	5.29 355	P	Pn	21 28 19.3	+2.6	
BBAC	Balboa, Cauca	5.29 355	P	Pn	21 28 19.3	+2.6	
GARC	Garzon, Huila	5.58 130	P	Pn	21 28 21.4	+0.7	
GARC	Garzon, Huila	5.58 130	P	Pn	21 28 21.4	+0.7	
POPC	Popayan, Colom	5.78 100	P	Pn	21 28 25.7	+2.2	
POPC	Popayan, Colom	5.78 100	P	Pn	21 28 25.7	+2.2	
CZSB	Cruzeiro do Su	6.00 138	Pn	Pn	21 28 27.3	+1.2	
CZSB	Cruzeiro do Su	6.00 138	Pn	Pn	21 28 27.6	+1.5	
CZSB	Cruzeiro do Su	6.00 138	eS	Sn	21 28 27.4	+1.2	
CZSB	Cruzeiro do Su	6.00 138	eS	Sn	21 29 33.1	-0.3	
CZSB	Cruzeiro do Su	6.00 138	P	Pn	21 28 27.6		
BETC	Betania	6.07 103	Pn	Pn	21 28 29.8	+2.6	
BETC	Betania	6.07 103	Pn	Pn	21 28 29.8	+2.6	
MACC	Macarena, Meta	6.13 290	P	Pn	21 28 29.3	+1.3	
MACC	Macarena, Meta	6.13 290	P	Pn	21 28 29.3	+1.3	
GR1C	Gorgona, Isla	6.39 347	P	Pn	21 28 32.9	+1.4	
GR1C	Gorgona, Isla	6.39 347	P	Pn	21 28 32.9	+1.4	
JAMC	Jamundi, Valle	6.45 100	P	Pn	21 28 35.2	+2.6	
JAMC	Jamundi, Valle	6.45 100	P	Pn	21 28 35.2	+2.6	
TBTG	Tabatinga, AM	6.91 98	Pn	Pn	21 28 39.8	+1.2	
TBTG	Tabatinga, AM	6.91 98	Pn	Pn	21 28 40.0	+1.4	
TBTG	Tabatinga, AM	6.91 98	eP	Pn	21 28 39.9	+1.4	
TBTG	Tabatinga, AM	6.91 98	eS	Sn	21 28 55.5	-0.2	
TBTG	Tabatinga, AM	6.91 98	Pn	Pn	21 28 40.0		
URMC	La Uribe, Meta	6.91 200	P	Pn	21 28 40.9	+2.2	
URMC	La Uribe, Meta	6.91 200	P	Pn	21 28 40.9	+2.2	
PRAC	Prado	7.20 150	P	Pn	21 28 43.9	+1.4	
PRAC	Prado	7.20 150	P	Pn	21 28 43.9	+1.4	
YOTC	Yotoco, Valle	7.23 300	P	Pn	21 28 44.4	+1.4	
YOTC	Yotoco, Valle	7.23 300	P	Pn	21 28 44.4	+1.4	
MALC	Bahia Malaga	7.27 356	P	Pn	21 28 45.5	+2.1	
MALC	Bahia Malaga	7.27 356	P	Pn	21 28 45.5	+2.1	
ORTC	Ortega, Tolima	7.30 120	P	Pn	21 28 45.0	+1.0	
ORTC	Ortega, Tolima	7.30 120	P	Pn	21 28 45.0	+1.0	
ANIL	Santa Ana	7.84 100	P	Pn	21 28 52.3	+0.8	
ANIL	Santa Ana	7.84 100	P	Pn	21 28 52.3	+0.8	
VILC	Villavicencio	7.96 230	P	Pn	21 28 55.6	+2.6	
VILC	Villavicencio	7.96 230	P	Pn	21 28 55.6	+2.6	
PLMC	San Jos del P	8.14 300	P	Pn	21 28 57.1		
PLMC	San Jos del P	8.14 300	P	Pn	21 28 57.1	+1.7	
PIZC	Pizarro, Choco	8.21 356	P	Pn	21 28 58.6	+2.3	
PIZC	Pizarro, Choco	8.21 356	P	Pn	21 28 58.6	+2.3	
RECR	Villamaría, Ca	8.31 100	P	Pn	21 29 04.1	+6.0	
RECR	Villamaría, Ca	8.31 100	P	Pn	21 29 04.1	+6.0	
CHIC	Chingaza	8.42 210	P	Pn	21 29 01.3		
CHIC	Chingaza	8.42 210	P	Pn	21 29 01.3	+1.8	
ROSC	El Rosal	8.43 170	P	Pn	21 29 01.8		
ROSC	El Rosal	8.43 170	Pn	Pn	21 29 01.5	+1.9	
ROSC	El Rosal	8.43 170	Pn	Pn	21 29 01.3	+1.7	
ROSC	El Rosal	8.43 170	Pn	Pn	21 29 01.8	+2.2	
GUY2C	Guayana, Caldas	8.56 90	P	Pn	21 29 05.0	+3.5	
GUY2C	Guayana, Caldas	8.56 90	Pn	Pn	21 29 05.0	+3.5	
NNA	Nana	8.65 180	Pn	Pn	21 29 02.1	-0.1	
NNA	Nana	8.65 180	Pn	Pn	21 29 02.1	+0.6	
NNA	Nana	8.65 180	S	Sn	21 30 31.3	-6.9	
NNA	Nana	8.65 180	P	Pn	21 29 02.2	-0.1	
NNA	Nana	8.65 180	eP	Pn	21 29 01.9	-0.4	
NNA	Nana	8.65 180	P	Pn	21 29 02.2		
NORC	Norcasia	8.99 120	P	Pn	21 29 08.1		

NORC	Norcasia	8.99 120	P	Pn	21 29 08.1	+1.2
CBOC	Ciudad Bolívar	9.12 500	P	Pn	21 29 10.7	+2.0
CBOC	Ciudad Bolívar	9.12 500	P	Pn	21 29 10.7	
SPBC	San Pablo de B	9.27 170	P	Pn	21 29 11.9	+1.1
SPBC	San Pablo de B	9.27 170	P	Pn	21 29 11.9	
RUSC	La Rusia	9.83 220	P	Pn	21 29 20.9	+2.2
RUSC	La Rusia	9.83 220	P	Pn	21 29 20.9	
PTBC	Puerto Berrío	10.03 130	P	Pn	21 29 21.9	+0.9
PTBC	Puerto Berrío	10.03 130	P	Pn	21 29 21.9	
DBBC	Dabeiba	10.24 300	P	Pn	21 29 28.1	+4.1
DBBC	Dabeiba	10.24 300	P	Pn	21 29 28.1	
PTAC	Punta Arditá	10.41 354	P	Pn	21 29 26.5	+0.3
PTAC	Punta Arditá	10.41 354	P	Pn	21 29 26.5	
BARC	Barichara	10.44 200	P	Pn	21 29 29.8	+3.0
BARC	Barichara	10.44 200	P	Pn	21 29 29.8	
BRJC	Barrancabermej	10.62 170	P	Pn	21 29 30.7	+1.6
BRJC	Barrancabermej	10.62 170	P	Pn	21 29 30.7	
TAMC	Tame, Arauca	10.86 270	P	Pn	21 29 33.4	+1.1
TAMC	Tame, Arauca	10.86 270	P	Pn	21 29 33.4	
ZARC	Zaragoza, Cauc	10.87 100	P	Pn	21 29 31.7	-0.8
ZARC	Zaragoza, Cauc	10.87 100	P	Pn	21 29 31.7	-0.8
UREC	San Jos de Ur	11.03 600	P	Pn	21 29 34.2	-0.4
UREC	San Jos de Ur	11.03 600	P	Pn	21 29 34.2	-0.4
APAC	Apartado, Choc	11.11 100	P	Pn	21 29 40.4	+4.7
APAC	Apartado, Choc	11.11 100	P	Pn	21 29 40.4	+4.7
PAMC	Pampalona, Colo	11.31 210	P	Pn	21 29 41.2	+2.4
PAMC	Pampalona, Colo	11.31 210	P	Pn	21 29 41.2	+2.4
AZU	Azúero	11.54 342	P	Pn	21 29 42.6	+1.2
AZU	Azúero	11.54 342	P	Pn	21 29 42.6	+1.2
GMAL	Guarumal, Vera	11.84 338	P	Pn	21 29 47.2	+1.8
GMAL	Guarumal, Vera	11.84 338	P	Pn	21 29 47.2	+1.8
OCAC	Ocana	11.95 170	P	Pn	21 29 48.5	
OCAC	Ocana	11.95 170	P	Pn	21 29 48.5	
ETMB	Extrema	12.34 122	Pn	Pn	21 29 49.4	-2.7
ETMB	Extrema	12.34 122	Pn	Pn	21 29 49.4	-2.7
BCIP	Isla Barro Col	12.74 346	Pn	Pn	21 29 57.3	0.0
BCIP	Isla Barro Col	12.74 346	Pn	Pn	21 29 57.3	0.0
SJCC	San Jacinto, C	13.19 700	P	Pn	21 30 05.4	+2.1
SJCC	San Jacinto, C	13.19 700	P	Pn	21 30 05.4	+2.1
SJCC	San Jacinto, C	13.19 700	P	Pn	21 30 05.4	
ARGC	Ariguaní, Magd	13.29 110	P	Pn	21 30 07.0	
ARGC	Ariguaní, Magd	13.29 110	P	Pn	21 30 07.0	
SDV	Santo Domingo	13.55 270	P	Pn	21 30 09.1	+1.0
SDV	Santo Domingo	13.55 270	P	Pn	21 30 09.1	+1.0
SDV	Santo Domingo	13.55 270	eP	Pn	21 30 07.6	-0.6
SDV	Santo Domingo	13.55 270	eP	Pn	21 30 07.9	-0.6
CRJC	Correjon, Guaj	14.72 150	P	Pn	21 30 21.4	-1.8
CRJC	Correjon, Guaj	14.72 150	P	Pn	21 30 21.4	-1.8
EAUV	El Baul	14.94 360	eS	Sn	21 30 30.9	-2.1
EAUV	El Baul	14.94 360	eS	Sn	21 30 30.9	-2.1
HOU	Heredia	15.08 331	eP	Pn	21 30 31.0	+0.3
HOU	Heredia	15.08 331	eP	Pn	21 30 31.0	+0.3
LPAZ	La Paz	15.47 147	Pn	Pn	21 30 30.8	-2.3
LPAZ	La Paz	15.47 147	Pn	Pn	21 30 30.8	-2.3
LPAZ	La Paz	15.47 147	eP	Pn	21 30 31.3	-1.8
LPAZ	La Paz	15.47 147	eP	Pn	21 30 29.6	-3.6
LPAZ	La Paz	15.47 147	eP	Pn	21 30 31.3	
URIC	Uribe, Colomb	15.62 180	P	Pn	21 30 32.1	-2.4
URIC	Uribe, Colomb	15.62 180	P	Pn	21 30 32.1	-2.4
SOCE	Pocoiso	15.66 330	P	Pn	21 30 38.4	+1.5
SOCE	Pocoiso	15.66 330	P	Pn	21 30 38.4	+1.5
JTS	Las Juntas de	15.75 329	P	Pn	21 30 37.2	-0.8
JTS	Las Juntas de	15.75 329	P	Pn	21 30 37.2	-0.8
JTS	Las Juntas de	15.75 329	Pn	Pn	21 30 36.8	+0.7
JTS	Las Juntas de	15.75 329	eP	Pn	21 30 37.4	-0.6
JTS	Las Juntas de	15.75 329	eP	Pn	21 30 36.8	
PB18	Visiviri	15.92 154	Pn	Pn	21 30 36.4	-2.2
PB18	Visiviri	15.92 154	Pn	Pn	21 30 37.4	-2.6
MACA	Manacapuru-AM	16.07 900	Pn	Pn	21 30 37.2	-2.8
MACA	Manacapuru-AM	16.07 900	Pn	Pn	21 30 38.9	-3.5
AP01	Chacalluta	16.20 155	Pn	Pn	21 30 49.0	+0.5
AP01	Chacalluta	16.20 155	Pn	Pn	21 30 49.0	+0.5
BLUN	Bluefields	16.70 335				

Table with columns for station call letters, location, frequency, and other details. Includes stations like CPUP, WFLA, WTVT, WFTS, etc.

Table with columns for station call letters, location, frequency, and other details. Includes stations like BIRD, Birdtown, Kers, Sao Joao De Ma, etc.

Table with columns for station call letters, location, frequency, and other details. Includes stations like WCI, WCI, WCI, WCI, etc.

NLWA	Neifton Lookou	65.16	327	I	Amb	I	Amb	21	37	33.5
PGC	Sidney	66.69	328	I	Amb	I	Amb	21	37	36.4
PMOZ	Porto Moniz, M	66.73	52	P	P	P	P	21	37	42.0 +1.4
PMOZ	Porto Moniz, M	66.73	52	eP	P	P	P	21	37	42.1 +1.4
PMOZ				i	Amb			21	37	46.6
PMOZ				eS	S			21	46	30.0 +5.0
PMAR	Madeira	66.92	52	eP	P	P	P	21	37	43.3 +1.4
CBB	Campbell River	67.52	328	P	P	P	P	21	37	46.6 +1.5
CBB				I	Amb	I	Amb	21	37	49.2
IVI	Ivigtut	68.00	14	I	Amb	I	Amb	21	37	50.3
IVI	Ivigtut	68.00	14	P	P	P	P	21	37	48.5 +0.7
IVI				p	P	P	P	21	38	13.3 -0.1
NRS	Narsarsuaq	68.67	16	i	P	P	P	21	37	52.0 0.0
NRS				I	Amb	I	Amb	21	37	54.6
NUUK	Nuuk	69.82	11	i	P	P	P	21	37	58.0 -1.1
NUUK				I	Amb	I	Amb	21	38	02.4
BBB	Bella Bella	70.17	329	P	P	P	P	21	38	02.8 +1.3
BBB				I	Amb	I	Amb	21	38	04.4
BBB	Bella Bella	70.17	329	LR	LR			22	10	04.4
SHEL	Horse Pasture	70.87	106	P	P	P	P	21	38	08.1 +1.6
SHEL	Horse Pasture	70.87	106	p	P	P	P	21	38	08.1 +1.6
SHEL				pmax	pmax					
YKAB2	New Yellowknife	71.54	342	P	P	P	P	21	38	09.5 -0.1
YKA	Yellowknife Ar	71.59	343	P	P	P	P	21	38	09.4 -0.5
YKA				p	P	P	P	21	38	35.1 -0.5
YKA				p	P	P	P	21	40	50.4 +0.3
YKA				LR	LR			22	10	32.4
DBIC	Dimbokro	72.47	82	P	P	P	P	21	38	17.0 +0.9
DBIC				I	Amb	I	Amb	21	38	46.3
DBIC	Dimbokro	72.47	82	P	P	P	P	21	38	16.7 +0.6
DBIC				p	P	P	P	21	38	41.6 -0.3
DBIC				LR	LR			22	07	50.1
DBIC	Dimbokro	72.47	82	P	P	P	P	21	38	17.0 +0.9
DBIC				pmax	pmax					
SFJD	Kangerlussuaq	72.55	10	P	P	P	P	21	38	15.3 -0.2
SFJD	Kangerlussuaq	72.55	10	P	P	P	P	21	38	15.3 -0.2
SFJD				pmax	pmax					
SFJD	Kangerlussuaq	72.55	10	i	P	P	P	21	38	14.7 -0.8
SFJD				I	Amb	I	Amb	21	38	18.0
PPT2	Papeete	72.62	253	LR	LR			22	05	01.0
PPT2	Papeete	72.62	253	ePKIKP	P			21	38	17.8 +0.7
PPT2				eS	S			21	47	30.1 -4.4
PPT2				eSS	SS			21	52	14.5 -1.4
PPT2				eLQ	LQ			21	57	35.9
PPT2				eLR	LR			22	00	34.6
PPT2				eLR	LR			22	00	35.2
PAE	Paea	72.63	253	eP	S			21	38	16.8 -0.2
PAE				eS	S			21	47	33.9 -0.5
PAE				eLR	LR			22	00	33.5
TOAD	Toad River Com	72.81	336	P	P	P	P	21	38	17.3 +0.1
TBI	Tubuai	72.81	247	ePKP1	P			21	38	11.6 -6.4
TBI				eS	S			21	47	37.9 +1.6
TBI				eSS	SS			21	52	17.7 -0.7
TBI				eLQ	LQ			21	57	33.6
TBI				eLR	LR			22	00	38.2
TBI				eLR	LR			22	00	44.8
DY2G	Dye2	72.95	12	i	P	P	P	21	38	17.0 -1.2
DY2G				I	Amb	I	Amb	21	38	20.8
KOTAN	Kotaneelie Air	73.15	337	P	P	P	P	21	38	20.0 +0.8
KOTAN				S	S			21	47	40.0 +1.2
U35K	Hyder	73.18	332	P	P	P	P	21	38	19.4 0.0
V35K	Ketchikan	73.63	331	P	P	P	P	21	38	22.7 +0.7
V35K	Ketchikan	73.63	331	P	P	P	P	21	38	22.7 +0.7
V35K				S	S			21	47	46.4 +2.2
V35K				S	S			21	47	46.4 +2.2
T35M	Bob Quinn	73.87	333	P	P	P	P	21	38	24.7 +1.1
T35M	Bob Quinn	73.87	333	P	P	P	P	21	38	24.7 +1.1
ISOG	Isortoq, Green	73.94	15	i	P	P	P	21	38	22.9 -0.8
ISOG				I	Amb	I	Amb	21	38	25.9
ANGG	Ammassalik, Gr	74.35	16	I	Amb	I	Amb	21	38	28.3
ANGG	Ammassalik, Gr	74.35	16	i	P	P	P	21	38	24.9 -1.1
ANGG				I	Amb	I	Amb	21	38	28.4
CRAIG	Craig	74.44	331	P	P	P	P	21	38	27.6 +0.8
CRAIG		74.44	331	P	P	P	P	21	38	27.6 +0.8
ILULI	Ilulissat	74.45	9	i	P	P	P	21	38	26.1 -0.4
ILULI				I	Amb	I	Amb	21	38	28.6
WRAK	Wrangell Isian	74.55	332	P	P	P	P	21	38	30.0 +2.6
WRAK				I	Amb	I	Amb	21	38	30.8
WRAK	Wrangell Isian	74.55	332	P	P	P	P	21	38	27.9 +0.5
DLBC	Dease Lake	74.58	334	I	Amb	I	Amb	21	38	30.6
DLBC	Dease Lake	74.58	334	P	P	P	P	21	38	28.5 +0.9
DLBC				LR	LR			22	14	17.3
DLBC	Dease Lake	74.58	334	P	P	P	P	21	38	28.6 +0.9
DLBC				S	S			21	47	57.3 +2.3
PFVI	Vila Bisbo	74.61	50	P	P	P	P	21	38	29.6 +1.4
PFVI	Vila Bisbo	74.61	50	eP	P	P	P	21	38	30.1 +1.9
PFVI				i	Amb			21	38	32.3
AVE	Averroes	74.71	54	P	P	P	P	21	38	30.6 +1.7
U33K	Whale Pass	74.76	331	P	P	P	P	21	38	29.1 +0.5
S34M	Telegraph Cree	74.78	333	P	P	P	P	21	38	29.6 +0.8
MORF	Marmelete	74.79	50	eP	P	P	P	21	38	29.5 +0.2
MORF				I	Amb	I	Amb	21	38	33.0
MORF	Marmelete	74.79	50	eP	P	P	P	21	38	30.0 +2.6
MORF				i	Amb			21	38	34.4
MORF	Marmelete	74.79	50	eP	P	P	P	21	38	29.5 +0.2
MORF				eS	S			21	47	58.9 +0.8
MORF	Marmelete	74.79	50	eP	P	P	P	21	38	31.2 +1.9
MORF				i	Amb			21	38	34.4
MORF	Marmelete	74.79	50	eP	P	P	P	21	38	29.5 +0.2
MORF				eS	S			21	47	58.9 +0.8
PTEO	Sao Teotonio	74.80	50	eP	P	P	P	21	38	30.9 +1.6
PTEO				I	Amb	I	Amb	21	38	33.2
PTEO				comp-Z,224nm,1.6s						

LIS	Lisbon	74.82	49	eP	I	Amb	I	Amb	21	38	29.8 +0.4
LIS				I	Amb	I	Amb	21	38	32.9	
LIS	Lisbon	74.82	49	eP	I	Amb	I	Amb	21	38	29.8 +0.4
WRGLY	Wrigley	74.96	340	I	Amb	I	Amb	21	38	32.9	
WRGLY				P	P	P	P	21	38	30.4 +0.8	
WRGLY				S	S			21	47	56.9 -1.9	
WTLY	Watson Lake, Y	75.02	336	P	P	P	P	21	38	31.4 +1.2	
WTLY	Watson Lake, Y	75.02	336	P	P	P	P	21	38	30.8 +0.7	
WTLY				baz=126							
WACT	Alcochete	75.07	49	eP	I	Amb	I	Amb	21	38	31.8 +1.0
WACT				i	Amb			21	38	35.2	
MEJ3	Messejana	75.27	50	I	Amb	I	Amb	21	38	34.0	
MEJ3	Messejana	75.27	50	I	Amb	I	Amb	21	38	32.4 +0.4	
MEJ3				eP	I	Amb	I	Amb	21	38	34.6
MEJ3				comp-Z,123nm,1.7s							
MEJ3	Messejana	75.27	50	eS	P			21	48	04.0 +0.7	
MEJ3				eP	P			21	38	33.2 +1.2	
MEJ3				i	Amb			21	38	35.8	
MEJ3	Messejana	75.27	50	eP	P			21	38	32.4 +0.4	
PSBE	So Bento	75.31	48	eP	I	Amb	I	Amb	21	38	33.0 +0.7
PBDV	Barranco-do-Ve	75.33	50	eP	P			21	38	34.0 +1.6	
PBDV				I	Amb	I	Amb	21	38	36.6	
PCVE	Castro Verde	75.35	50	eP	I	Amb	I	Amb	21	38	33.8 +1.3
PCVE				i	Amb			21	38	37.0	
R33M	Jennings River	75.52	335	I	Amb	I	Amb	21	38	37.3	
R33M	Jennings River	75.52	335	P	P	P	P	21	38	34.2 +1.0	
R33M				S	S			21	48	06.7 +1.1	
R33M				baz=123							
PBEJ	Beja	75.59	50	eP	I	Amb	I	Amb	21	38	35.0 +1.1
PBEJ				i	Amb			21	38	38.4	
PMTG	Montargil	75.61	48	eP	I	Amb	I	Amb	21	38	34.8 +0.9
PMTG				i	Amb			21	38	38.0	
UMMG	Ummannaaq	75.61	8	i	P	P	P	21	38	33.2 -0.1	
UMMG				I	Amb	I	Amb	21	38	34.7	
EVO	Evora	75.62	49	eP	I	Amb	I	Amb	21	38	35.1 +1.1
EVO				i	Amb			21	38	37.5	
PCAS	Casmilo, Condes	75.69	47	eP	I	Amb	I	Amb	21	38	35.1 +0.8
PCAS				i	Amb			21	38	37.8	
COI	Coimbra	75.80	47	eP	I	Amb	I	Amb	21	38	36.7 +1.7
COI				i	Amb			21	38	39.6	
Q32M	Nakina River	75.85	334	I	Amb	I	Amb	21	38	38.3	
Q32M	Nakina River	75.85	334	P	P	P	P	21	38	36.1 +1.0	
Q32M				baz=122							
PQTO	Porto	75.93	46	eP	I	Amb	I	Amb	21	38	36.0 +0.3
PQTO				i	Amb			21	38	38.7	
PESTR	Estremoz	76.03	49	P	P	P	P	21	38	37.3 +0.9	
PESTR	Estremoz	76.03	49	eP	P	P	P	21	38	37.2 +0.9	
PESTR				i	Amb			21	38	40.6	
S32K	Killinooc	76.14	332	I	Amb	I	Amb	21	38	39.3	
S32K	Killinooc	76.14	332	P	P	P	P	21	38	37.2 +0.7	
S32K				baz=120							
NUUG	Nuugaatsiaq	76.25	8	i	P	P	P	21	38	36.4 -0.5	
NUUG				I	Amb	I	Amb	21	38	38.3	
PBAR	Barrancos	76.26	50	eP	I	Amb	I	Amb	21	38	38.5 +0.9
PBAR				i	Amb			21	38	42.	

MEM	Membach	87.93	39	dP	P	21 39 38.9	+0.6
O17K	Koliganek Bris	87.94	330	P	P	21 39 37.9	-0.2
D22K	Aiyakyak River	87.99	339	I	I	21 39 40.7	
D22K	Aiyakyak River	87.99	339	P	P	21 39 39.0	+0.8
BTLN	Ternell	88.00	39	dP	P	21 39 39.5	+0.8
TTA	Tatalina	88.01	333	I	I	21 39 40.1	
TTA	Tatalina	88.01	333	P	P	21 39 38.3	-0.2
H20K	Antoleneega Mo	88.04	336	P	P	21 39 38.8	+0.3
J19K	Poorman	88.05	334	P	P	21 39 38.6	0.0
CHGN	Chignik	88.07	327	P	P	21 39 38.9	+0.1
CHGN	Chignik	88.07	327	P	P	21 39 38.9	+0.1
N17K	Nushagak Hills	88.12	331	P	I	21 39 38.6	-0.3
N17K	Nushagak Hills	88.12	331	P	P	21 39 39.0	0.0
L18K	Granite Mounta	88.18	333	I	I	21 39 41.3	
L18K	Granite Mounta	88.18	333	P	P	21 39 39.4	+0.1
SEIN	Lac Lenin/Sane	88.26	44	I	I	21 39 41.5	
P16K	Nushagak River	88.27	329	P	P	21 39 39.8	+0.2
M17K	Holtna River	88.39	332	I	I	21 39 42.2	
M17K	Holtna River	88.39	332	P	P	21 39 40.6	+0.3
O16K	Kokwok River B	88.41	330	P	P	21 39 40.2	-0.2
J18K	Imnoko River	88.42	334	P	P	21 39 40.7	+0.3
CHNA	Chernabura Isl	88.52	325	P	P	21 39 41.6	+0.7
B22K	Teshkepuk Lake	88.59	341	P	P	21 39 41.5	+0.5
H19K	Roundabout Mou	88.69	336	P	P	21 39 42.2	+0.7
F20K	Avaarant Ark	88.70	337	P	P	21 39 42.1	+0.6
GCSA	Galena City Sc	88.72	335	P	P	21 39 42.6	+0.9
KEST	Kesra	88.75	54	P	P	21 39 43.0	+0.4
KEST	comp-Z,16nm,1.1s,baz=279,slow=9.0,SNR=10					21 40 09.2	-0.1
KEST	comp-Z,12nm,0.8s,baz=318,slow=2.7,SNR=3.5					22 15 34.3	
C21K	Knifblade Rid	88.79	340	P	P	21 39 43.0	+1.0
BUG	Bochum-Univer	88.83	39	eP	P	21 39 43.7	+1.2
N16K	Nishlik Lake	88.88	331	P	P	21 39 43.2	+0.6
L17K	Donlin	88.91	332	P	P	21 39 43.1	+0.5
K17K	Iditarod	89.01	333	P	P	21 39 43.7	+0.6
NOR	Nord	89.03	7	iP	I	21 39 43.0	+0.2
NOR	comp-Z,104nm,1.4s					21 39 45.3	
M16K	Timber Creek	89.06	331	I	I	21 39 47.1	
M16K	Timber Creek	89.06	331	P	P	21 39 44.2	+0.8
G19K	Purcell Mounta	89.06	336	I	I	21 39 46.7	
G19K	Purcell Mounta	89.06	336	P	P	21 39 43.9	+0.6
E20K	Nigu River	89.11	339	P	P	21 39 44.5	+0.9
BFO	Black Forest	89.17	42	P	P	21 39 44.3	+0.1
BFO	Black Forest	89.17	42	P	P	21 39 44.3	+0.1
BFO	comp-Z,22nm,1.5s					21 39 44.3	+0.1
BFO	Black Forest	89.17	42	eP	P	21 40 13.4	+2.5
IBSN	Ibbenburen	89.22	38	eP	P	21 39 45.5	+1.2
O15K	Ungalkithuik R	89.23	329	P	P	21 39 46.1	+1.9
A22K	Sinclair Lake	89.25	341	P	P	21 39 44.8	+0.8
D20K	Etiulik River	89.35	339	P	P	21 39 45.5	+0.9
E19K	Redstone River	89.35	338	I	I	21 39 47.7	
E19K	Redstone River	89.35	338	P	P	21 39 44.8	+0.2
L16K	Owhat River	89.40	332	I	I	21 39 48.9	
L16K	Owhat River	89.40	332	P	P	21 39 46.1	+1.2
H18K	Honhosa River	89.42	335	P	P	21 39 46.4	+1.4
TNS	Tanus Mts	89.44	40	eP	P	21 39 45.8	+0.3
F19K	Shalerucik Mo	89.45	337	P	P	21 39 45.3	+0.2
J17K	VABM Dome	89.46	334	P	P	21 39 46.3	+1.1
N15K	Kwethluk River	89.49	330	I	I	21 40 23.2	
N15K	Kwethluk River	89.49	330	P	P	21 39 46.0	+0.6
KASTN	Kahler Asten	89.51	39	eP	P	21 39 46.5	+0.7
KASTN	comp-Z,6.9nm,0.9s,baz=264,slow=4.7					21 40 15.0	+2.5
G18K	Tagagawik	89.55	336	I	I	21 39 49.7	
G18K	Tagagawik	89.55	336	P	P	21 39 46.7	+0.7
TUE	Stuetta	89.68	44	P	P	21 39 47.5	+0.6
B20K	Meade River	89.77	340	P	P	21 39 47.6	+1.1
STU	Stuttgart	89.78	41	P	I	21 39 47.3	+0.2
STU	Stuttgart	89.78	41	P	P	21 39 47.3	+0.2
A21K	Barrow	89.83	342	P	P	21 39 47.3	+0.5
D19K	Kuna River	89.85	339	I	I	21 39 49.7	
D19K	Kuna River	89.85	339	P	P	21 39 47.8	+0.8
M15K	Kasigluk River	89.85	331	P	P	21 39 48.1	+1.0
O14K	Tiguykauvit M	89.97	329	P	P	21 39 49.7	+2.0
H17K	Granite Mounta	90.03	335	I	I	21 39 50.9	
H17K	Granite Mounta	90.03	335	P	P	21 39 49.0	+1.1
ELIB	Elisabeth			dP	P	21 40 10.3	-4.4
ELIB	Elisabeth			dP	P	21 40 23.1	+1.0
DAVOX	Davos/Dischmat	90.07	43	LR	LR	22 13 41.5	
DAVA	Damuels	90.11	43	iP	P	21 39 49.9	-0.1
DAVA	comp-Z,26nm,0.8s					21 40 18.5	+2.9
J16K	Anvik River	90.12	333	I	I	21 39 51.7	
J16K	Anvik River	90.12	333	P	P	21 39 49.5	+1.1
F18K	Selawik	90.15	337	P	P	21 39 48.9	+0.6
I17K	Unalakleet	90.24	334	I	I	21 39 52.2	
I17K	Unalakleet	90.24	334	P	P	21 39 50.3	+1.5
N14K	Kuskokwak Cree	90.26	330	P	P	21 39 50.0	+1.1

UBR	Ueberhurr	90.30	42	eP	P	21 39 50.4	+0.8
L15K	Ungalak Mounta	90.35	332	P	P	21 39 50.5	+1.1
G17K	Kwailik Mounta	90.42	336	P	P	21 39 50.7	+1.1
K15K	Wolf Creek Mou	90.44	332	P	P	21 39 51.0	+1.2
MUD	Monsted U'grmd	90.47	34	iP	I	21 39 51.2	+1.2
MUD	comp-Z,87nm,1.4s					21 39 53.8	
M14K	Bethel	90.48	331	P	P	21 39 50.7	+0.8
GTTG	Getchikan	90.51	39	eP	P	21 39 51.9	+1.5
GTTG	comp-Z,1.1nm,1.0s,baz=264,slow=4.7					21 40 19.9	+2.8
E18K	Tukpahleirik C	90.63	337	I	I	21 39 53.0	
E18K	Tukpahleirik C	90.63	337	P	P	21 39 50.8	+0.3
SSRD	Sdr. Stenderup	90.64	35	iP	I	21 39 52.5	+1.7
SSRD	comp-Z,60nm,0.8s					21 39 53.2	
FETA	Feichten	90.67	43	iP	P	21 39 52.4	-0.1
FETA	comp-Z,49nm,1.9s					21 40 21.1	+2.9
NRDL	Niedesch Rie	90.67	38	eP	P	21 39 52.9	+1.9
NRDL	comp-Z,20nm,1.2s,baz=264,slow=4.7					21 40 20.9	+3.1
RETA	Reutte	90.73	43	iP	P	21 39 52.3	-0.3
RETA	comp-Z,40nm,1.7s					21 40 23.5	+5.2
F17K	Baldwin Pennin	90.77	336	I	I	21 39 54.0	
F17K	Baldwin Pennin	90.77	336	P	P	21 39 51.9	+0.7
CLZ	Clausthal	90.79	38	eP	P	21 39 52.5	+0.8
L14K	Kuka Creek	90.89	331	P	P	21 39 52.3	+0.5
BSEG	Bad Segeberg	90.91	36	eP	P	21 39 53.9	+1.8
MOTA	Moosalm	90.95	43	iP	P	21 39 53.4	-0.3
MOTA	comp-Z,7.2nm,0.6s					21 40 22.1	+2.6
H16K	Elim	90.99	335	P	P	21 39 53.5	+1.2
C18K	Utuk River	90.99	339	P	P	21 39 52.7	+0.4
SQTA	Sankt Quirin	91.01	43	iP	P	21 39 53.9	0.0
SQTA	comp-Z,28nm,0.7s					21 40 23.6	+3.8
E17K	Hotham Inlet	91.06	337	P	P	21 39 53.2	+0.7
G16K	Koyuk River	91.11	335	P	P	21 39 53.8	+0.9
A19K	Wainwright	91.12	340	P	P	21 39 53.4	+0.6
M13K	Dall Lake	91.13	330	P	P	21 39 54.2	+1.2
GRFO	Grafenberg	91.18	40	I	I	21 39 54.0	+0.5
GRFO	Grafenberg	91.18	40	I	I	21 39 56.2	
GRFO	comp-Z,118nm,1.8s					21 39 54.0	+0.5
GRA1	Grafenberg Arr	91.18	40	P	P	21 39 53.6	+0.1
GRA1	comp-Z,113nm,1.8s					21 39 56.3	
GRF	Grafenberg Arr	91.18	40	P	P	21 39 53.6	+0.1
GRF	comp-Z,113nm,1.8s					21 39 56.3	
GRF	Grafenberg Arr	91.18	40	eP	P	21 39 54.1	+0.6
CTI	Castle Tesino	91.24	44	I	I	21 40 26.5	
CTI	comp-Z,28nm,0.8s					21 40 26.5	
WATA	Walderalm	91.27	43	eP	P	21 39 54.9	-0.2
B18K	Kokok River	91.29	339	P	P	21 39 54.4	+0.9
WTTA	Wattenberg	91.30	43	iP	P	21 39 55.4	+0.1
FLTG	Flechtingen	91.35	38	eP	P	21 39 55.1	+0.8
J14K	Nanvaranak Lak	91.41	333	P	P	21 39 55.6	+1.3
MOX	Moxa	91.49	40	eP	P	21 39 56.0	+1.0
RDOG	Red Dog Mine	91.57	338	I	I	21 39 57.3	
RDOG	Red Dog Mine	91.57	338	P	P	21 39 57.3	
D17K	Noatak River	91.61	338	P	P	21 39 55.1	0.0
NB00N	NORSAR Array S	91.66	29	P	P	21 39 56.5	+1.0
NC204	NORSAR Array S	91.66	29	P	P	21 39 56.8	+1.2
NA001	NORSAR Array S	91.70	29	P	I	21 39 56.5	+0.8
C17K	DeLong Mountai	91.70	338	P	P	21 40 52.8	
CESX	Cesra	91.72	48	I	I	21 39 55.9	+0.3
MANZ	Manzenberg	91.77	40	eP	P	21 39 57.2	+0.9
G15K	Niukluk	91.79	335	P	P	21 39 56.7	+0.7
CIMO	Cimolais	91.80	44	I	I	21 39 56.7	+0.7
ROTZ	Rotzenmuhle	91.82	40	eP	P	21 39 57.2	+0.6
NB2	NORSAR Subarra	91.87	29	P	P	21 39 57.1	+0.6
NB2	NORSAR Subarra	91.87	29	P	P	21 39 57.1	+0.6
NB2	NORSAR Subarra	91.87	29	P	P	21 39 57.1	+0.6
NOA	NORSAR Array B	91.87	29	P	P	21 39 57.1	+0.6
NOA	comp-Z,3.3nm,0.8s,baz=268,slow=4.8,SNR=8.4					21 40 22.1	-1.2
K13K	Kusilvak Mount	91.87	332	I	I	21 40 00.4	
K13K	Kusilvak Mount	91.87	332	P	P	21 40 00.4	
ABTA	Abftalersbach	91.88	43	iP	P	21 39 57.0	0.0
ABTA	comp-Z,56nm,1.7s					21 40 26.4	+2.7
NB201	NORSAR Array S	91.91	29	P	P	21 39 57.2	+0.5
NB201	comp-Z,34nm,1.1s					21 40 30.0	
NC303	NORSAR Array S	91.95	29	P	P	21 39 57.2	+0.3
NC602	NORSAR Array S	92.01	29	P	I	21 39 56.9	-0.2
TANN	Tannenbergssta	92.02	40	eP	P	21 39 58.8	+1.3
TANN	comp-Z,14nm,1.2s,baz=264,slow=4.7					21 40 26.8	+2.5
F15K	North Star Dit	92.09	336	I	I	21 39 58.3	+1.0
F15K	North Star Dit	92.09	336	P	P	21 39 58.3	+1.0
NC405	NORSAR Array S	92.11	29	P	P	21 39 58.5	+0.8
NRCA	Norcica	92.12	47	P	P	21 39 59.2	+1.0
WET	Wetzell	92.23	41	eP	P	21 39 59.0	+0.6
ANM	Nome	92.33	334	P	P	21 39 59.0	+0.5
CLL	Collin	92.40	39	I	I	21 40 01.9	
CLL	Collin	92.40	39	I	I	21 40 00.0	+0.9
CLL	Collin	92.40	39	iP	P	21 40 28.0	+2.1
CLL	Collin	92.40	39	eP	P	21 50 56.0	+1.8
CLL	comp-Z,64nm,1.7s						

18d 21h

2019 JAN

1086

Table with columns for station name, frequency, power, and other technical details. Includes stations like Kalwaria Pacla, Boshof, Lobatse, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like STKA, Stephens Creek, Sham, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Ulanbaatar, Songrio Array, Alice Springs, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WMQ, MKAR, KURBB, ZALV, PETK, VNDA, YKA, TORD, CPUP, BDBF.

ISN 18:22:18.44.3.0.34.13N;45.59E,h8km,6km,ML2.9
TEH 18:22:18.44.6.34.11N;45.59E,h8km,44km
ISC 18:22:18.44.6.0.9.34.10N;0.04;45.56E;0.05,h10km,n16,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GLG1, KGS1, ILBA, IGHG, IDHR, IDBR, IDBR, IDBR, KCHF, ILIN, IKRK, IKRK, SNQR, IKFM, SDS1, RAFI, RAFI, HSAM, MAHB, HGHA.

LJU 18:22:27:56.8,46:00N;15:21E,h10km,ML0.3,1C-1D,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LEGS, LEGS, PDKS, PDKS, DOBS, CRES, GOLS, GOLS, VISS, VISS, VISS, ZAVS, GROS, GROS.

VIE 18:22:28:43.2.0.6,66:69N;15:04E,h3km,2km,ml-1.5/1,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SOKA, SOKA.

IDC 18:22:28:56.1±1.1,35.74N;21.62E,h0km,mb3.8/11,

ATH 18:22:28:59.0.8,35.72N;21.66E,h10km,ML3.2/11,

2020/07/01 06:43:24 ML Amplitudes are expressed in

micrometers. All distances are expressed in degrees

Latitude uncertainty: 5 km; Longitude uncertainty: 5 km

THE 18:22:29:02.3,35.69N;21.57E,h13km,58km,ML3.1/3,Error

ellipse: s-maj=58.3km s-min=2.2km az=60.0

ISC 18:22:57.4.1.8,35.72N;0.06;21.57E;0.05,h10km,11km,

n43,r110/50,mb3.9/10,Central Mediterranean Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ANKY, ANKY, ANKY, ITM, ITM, ITM, VLI, VLI, VLI, MNVA, AMT, IMWV, KRAM, CLEM, DRO, DRO, VDR, GVD, GUR, GUR, RLS, KLV, LTK, VLS, IDI, ANX, VAE, VAE, BRTR, MMAI, AKASG.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KBZ, GNI, BELG, HFS, FINE, EKA, TORD, ARTI, ARCES, KURBB, MKAR, ZALV.

NEIC 18:22:31:29.9.1.4,61.43N;0.03;149.91W;0.01,h42km,5km,

NEIC 18:22:31:30.2.1.3,61.41N;0.03;149.91W;0.04,h46km,5km,

ML2.2,ML2.5/104(NEIC),Error ellipse: s-maj=4.7km

s-min=2.6km az=182.0,Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FIS, FIS, FIS, RC01, RC01, M22K, M22K, SUA, SUA, SUA, PMR, PMR, PMR, GHO, GHO, GHO, KNK, KNK, KNK, SML, SML, SML, CAPN, CAPN, SKLM, SKLM, STLK, STLK, STLK, O22K, O22K, O22K, PWL, PWL, PWL, PWL, SKT, SKT, SKT, CUT, SPU, SPU, SPU, SCM, SCM, SCM, SCW, SCW, M20K, M20K, BRLL, BRLL, BRLL, BRSE, BRSE, P22K, P22K, M24K, M24K, M24K, M24K, KLU, KLU, HIN, HIN, CNPM, CNPM, CNPM, ILS, ILS, ILS, LSW, LSW, L20K, M19K, KTH, KTH, KTH, CAST, P19K, HARP, L19K, N25K, N25K, KTH, CAST, P19K, HARP, L19K, N25K, N25K.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like N25K, BMRM, WACI, BPAW, K20K, RAGM, BROWN, M16K, GLB, GLB, O18K, O18K, O18K, SYI, Q19K, TTA, MENT, MENT, HDA, HDA, HDA, RIDG, RIDG, L18K, L18K, J20K, J20K, J20K, J19K, J19K, SCRR, I23K, I23K, I23K, J18K, L17K, K17K, K17K, K17K.

ISC 18:22:32:13.2±1.1,59:27N;0.03;136:27W;0.03,h10km,9km,

n11,c042/24,Southeastern Alaska

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PLBC, PLBC, SKAG, SKAG, P29M, P29M, P30M, P30M, S31K, S31K, S31K, P32M, P32M, P32M, R32K, R32K, R32K, O30N, O30N, O29M, O29M, WHY, WHY, P33M, P33M, P33M.

WEL 18:22:41:20.8.0.7,33'S;14.18'W;3.4,h155km,21km,

mb4.7/7,ML4.3/16,MLV4.2/12,ML(mb)4.0/7,Error

ellipse: s-maj=48.2km s-min=4.2km az=11.5,South of

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GLKZ, GLKZ, MXZ, MXZ, MXZ, WMGZ, WMGZ, HAZ, HAZ, PUKETI, PUKETI, RUGZ, RUGZ, TWGZ, TWGZ, CNZG, CNZG, MWZ, MWZ, URZ, URZ, RIGZ, RIGZ, PRGZ, PRGZ, RTZ, RTZ, KNZ, KNZ, MHGZ, RAHZ, RAHZ, PUAZ, PUAZ, MTHZ, MTHZ, MRHZ, MRHZ, ARHZ, ARHZ, BKZ, BKZ, KWHZ, KWHZ.

IDC 18:22:45:44.5.0.8,19.82N;145.79E,h0km,mb3.8/12,

mbtmp3.8/12,ML5.1/1,MS3.3/1,Error ellipse:

s-maj=27.7km s-min=17.7km az=89.0

NEIC 18:22:45:55.9.0.9,19.77N;0.1;145.6E;0.2,h85km,9km,

mb4.0/16,Error ellipse: s-maj=25.0km s-min=14.8km

az=101.0

18d 23h

ISC 18 23:45:56.4,0.6,19.63N,0.07,145.6E:0.1,h100km,n43,

c1943/36,mb3.9/18,Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like GUMG, JGFM, MJAR, etc.

ISC 18 23:05:53.0,1.7,34.17N,45.64E,h15km,13km,ML2.8

TEH 18 23:05:53.3,34.13N,45.60E,h8km,31km

ISC 18 23:05:53.3,1.0,34.19N,0.04,45.55E:0.05,h10km,n15,

c8995/18,Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like GLG1, KGS1, ILBA, etc.

ISC 18 23:11:54.0,1.5,3.87S,129.99E,h0km,mb3.7/6,

mbtmp3.7/8,ML3.5/2,Error ellipse: s-maj=82.8km

s-min=21.6km az=70.0

DJA 18 23:11:58.2,0.6,4.7S,6.12E,h11km,6km,M3.7/8,

MLV3.7/8

ISC 18 23:11:57.9,0.7,4.06S,108.129,29E:0.06,h10km,n16,

c1939/16,mb3.7/5,Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BNDI, MASO, AIAM, etc.

19 JAN

0.2nm,0.4s,baz=81,slow=5.7,SNR=2.1

0.2nm,0.4s BVAR Borovoye Array 75.21 328 P P 23 23 41.0 +0.3

0.3nm,0.6s,baz=140,slow=4.7,SNR=1.9

CPUP Villa Florida 149.12 168 PKPbc PKPdf 23 31 42.6 -0.6

1.5nm,0.7s,baz=179,slow=2.4,SNR=3.0

IDC 18 23:12:59.7,9.7,36.68N,19.88E,h0km,mb3.9/6,

mbtmp3.8/7,ML2.5/1,MS2.9/2,Error ellipse:

s-maj=178.1km s-min=55.4km az=29.0

THE 18 23:13:11.2,37.63N,20.84E,h12km,ML3.3/4,Error

ellipse: s-maj=1.5km s-min=0.6km az=23.0

ATH 18 23:13:11.5,37.63N,20.84E,h11km,1km,ML3.3/15,Error

ellipse: s-maj=1.9km s-min=0.8km az=218.0

ISC 18 23:13:10.1,1.2,37.61N,0.05,20.77E:0.04,h16km,5km,

n47,c070/64,mb3.8/6,Ionian Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like LTHK, KYPB, ORTH, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DMLN, RLS, AMT, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DRO, FSK, EVGI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like LK2D, LK2E, ALIK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ANX, EVR, TETR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ASAF, AKASG, BELG, etc.

1090

ZALV Zalesovo Beam 45.92 48 P P 23 21 32.0 +0.2

comp=E,1.7nm,0.5s,baz=272,slow=8.7,SNR=7.6

JHJ Hachijo jima 2 89.56 47 LR LR 00 09 03.9

comp=E,4.2nm,20.0s,baz=359,slow=37

SJA 18 23:19:03.8,0.8,32.12S,69.43W,h135km,3km,ML3.5,

MW3.5,Mendoza Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like RTLS, ASAL, ARCO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ZON, AAGR, RTLL, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DOCA, MT08, RTCC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like MT05, MT13, MT02, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like AVFE, AVFE, AVFE, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like TCA, TCA, CYA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like RSSD, K22A, N23A, etc.

RSNC 19 00:32:36.0-0.7 N 177°33'W, h148km, M2.7, mb3.8, ML2.4, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

FLUNV 19 00:36:50.6, 7.55N, 71.32W, h10km, MW3.8, RSNC 19 00:36:51.4, 0.0, 8 N, 4.7 W, h6km, 8km, M2.6, ML2.5

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

SJA 19 00:55:19.7-1.9, 39.63S, 72.34W, h110km, 8km, ML3.1, MW3.3

GUC 19 00:55:21.4-0.5, 39.61S, 72.29W, h105km, 2km, ML3.6

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: LR04, Corral, 0.89 252, Pn, 00 55 41.0 +0.4, 00 55 55.5 -0.1, 00 55 56.7. Lists seismic events with station codes and times.

IDC 19 01:01:31.7-2.3, 3.17S, 146.18E, h0km, mb3.8/6, mbmp3.9/6, MS3.3/1, Error ellipse: s-maj=71.0km

ISC 19 01:01:33.0-2.3, 3.23S, 146.30E, h10km, n7, o0630/6, mb4.0/5, Bismarck Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 19 01:30:36.9-8.2, 7.98S, 128.97E, h170km, 89km, mb3.2/1, mb1mp3.9/4, Error ellipse: s-maj=65.3km s-min=38.0km

IDC 19 01:42:56.0-0.7, 51.49N, 15.98E, h0km, mbmp3.1/7, ML2.6/6, Error ellipse: s-maj=14.1km s-min=6.3km

PRU 19 01:42:57.3, 51.43N, 16.13E, h0km, mb2.8/9, ml2.6/11, VIE 19 01:42:58.1, 0.8, 51.30N, 16.01E, h0km, mb2.8/9, ml2.6/11

ISC 19 01:42:53.3-0.7, 51.56N, 16.15E, h0km, n48, o1949/92, Poland

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: VRAC, Vranov, 2.28 173, ePn, 01 43 32.7 +0.6, 01 44 02.9 -1.0. Lists various seismic stations and their recorded data.

ASRS 19 01:42:58.2-0.2, 51.3N, 0.9-8.7E, h5km, ML4.0/19, Error ellipse: s-maj=2.4km s-min=1.8km az=69.0, confirmed

MOS 19 01:43:01.5-2.9, 51.13N, 86.68E, h12km, mb4.1/4, Error ellipse: s-maj=10.4km s-min=7.0km az=99.2

NNC 19 01:43:01.4-1.3, 51.24N, 86.72E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=11.7km s-min=6.6km az=97.0

ISC 19 01:43:00.4-0.6, 51.26N, 0.02-86.98E, h0km, n52, o1963/85, mb3.9/3, 17C-11D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Verkhnyaya Baz, Erunakovoy, Zalesovo Array, etc.

SJA 19 01:50:48.0, 31.48S, 71.68W, h10km, ML3.9
GIC 19 01:50:51.6, 0.7, 31.51S, 71.41W, h65km, 18km, ML3.7
IDC 19 01:51:03.8, 3.5, 31.04S, 70.91W, h152km, 31km, mb3.7/4, mbmp4.07, Error ellipse: s-maj=33.9km s-min=27.3km az=108.0

ISC 19 01:50:51.1, 1.0, 31.50S, 0.03, 71.54W, 0.07, h63km, 9km, n64, 0.889/59, mb4.1/4, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like El Pedregal, Catalipol, Tololo Observa, etc.

Table with columns: LMELE, IAML, Op, P, S, ISC, h, m, s, ISC. Includes stations like Melos, Punta, Cerro Villucun, etc.

IDC 19 01:56:14.0, 0.1, 7.69S, 121.95E, h0km, mb3.4/4, mbmp3.6/5, ML4.7/1, Error ellipse: s-maj=180.4km s-min=24.4km az=58.0

NEIC 19 01:57:04.0, 1.2, 6.5S, 0.1, 125.4E, 0.1, h555km, 9km, mb4.2/10, Error ellipse: s-maj=23.4km s-min=12.7km az=58.0

ISC 19 01:57:03.6, 0.6, 6.44S, 0.08, 125.44E, 0.09, h550km, n37, 0.1502/37, mb3.0/5, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Soe, Kapi, Faki, etc.

ISC 19 02:12:41.8, 1.2, 61.55N, 0.03, 140.61W, 0.03, h5km, 13km, n18, 0.678/26, Southern Yukon Territory

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Moose Creek, Steele Glacier, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Haines Juncio, Aishihik Lake, etc.

NEIC 19 02:15:30.2, 1.9, 7.4N, 0.1, 103.74W, 0.1, h10km, 2km, mb4.4/55, Error ellipse: s-maj=28.5km s-min=11.4km az=235.0

IDC 19 02:15:35.6, 1.1, 8.28N, 103.53W, h0km, mb3.8/7, mbmp3.8/8, ML3.5/1, MS4.4/1, Error ellipse: s-maj=43.3km s-min=22.6km az=66.0

GCMT 19 02:15:41.2, 0.4, 8.44N, 0.02, 103.46W, 0.02, h12km, MW4.9/91, Moment tensor solution, s11, c11, s91, c131, Duration: 0, Moment tensor: Scale 1016Nm, M1=0.44, 0.07, M2=0.26, 0.07, M3=0.17, 0.07, M4=1.63, 2.20, M5=1.83, 0.05, M6=0.90, 2.1, Best double couple: M2-49200, 1016 NP1=84.00000, 843.00000, lambda=5.00000, NP2=98.00000, 886.00000, lambda=133.00000, Principal axes: T 3.0110, Plg28.0000, Azm221.0000, N -1.0380, Plg43.0000, Azm101.0000, P -1.9730, Plg34.0000, Azm332.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s, Triangular moment-rate function

ISC 19 02:15:32.0, 0.8, 7.6N, 0.1, 103.27W, 0.1, h10km, n62, 0.198/39, mb4.4/29, Northern East Pacific Rise

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TLIG, MOIG, CMIG, etc.

1095

Table with columns: ILAR, Eielson Array, 64.83 341 P, P, 02 26 10.2 -0.8, comp=Z,0.8nm,0.8s, baz=158,slow=5.2,SNR=10

IDC 19 02:20:20.37.8, 3.32S, 143.70E, h0km, mb3.5/2, mbtmp3.5/3, ML2.8/1, Error ellipse: s-maj=304.8km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, WRA Warramunga Arr, 18.88 208 Op P, 02 24 43.5 +0.6

IDC 19 02:22:40.8.2.9, 8.29N, 103.72W, h0km, mb3.6/5, mbtmp3.6/5, Error ellipse: s-maj=109.6km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, TXAR Lajitas Array, 20.93 0 Op P, 02 27 26.4 +1.0

UPA 19 02:23:46.4.2.4, 8.90N, 77.39W, h39km, 23km, MW3.8

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, CAPC Capurgana, 0.38 184 P, P, 02 23 53.1 +0.5

IDC 19 02:24:23.7.0.8, 8.30N, 103.28W, h0km, mb4.2/11, mbtmp4.2/12, ML3.5/1, MS4.3/31, Error ellipse: s-maj=33.2km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, CAPC Capurgana, 0.38 184 P, P, 02 23 53.1 +0.5

IDC 19 02:24:23.7.0.8, 8.30N, 103.28W, h0km, mb4.2/11, mbtmp4.2/12, ML3.5/1, MS4.3/31, Error ellipse: s-maj=33.2km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, TLIG Tiapa, 10.39 26 P, P, 02 26 57.6 +2.7

IDC 19 02:24:25.6.0.8, 8.25N, 103.47W, h10km, mb3.1/n137, s=183/72, mb4.6/59, MS4.3/29, Northern East Pacific Rise

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, TLIG Tiapa, 10.39 26 P, P, 02 26 57.6 +2.7

2019 JAN

Table with columns: POST, Tucson, 24.91 345 P, P, 02 29 54.4, comp=Z,2.16nm,0.8s

IDC 19 02:30:46.7.1.9, 54.78N, 164.04E, h0km, mb3.3/3, mbtmp3.3/4, ML2.2/1, Error ellipse: s-maj=72.6km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, PLCA Paso Flores, 57.37 151 P, P, 02 34 19.4 +5.1

IDC 19 02:36:10.5.1.2, 60.12N, 152.72W, h78km, 14km, mb3.6/14, mbtmp3.9/19, Error ellipse: s-maj=16.2km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, PLCA Paso Flores, 57.37 151 P, P, 02 34 19.4 +5.1

19d 2h

Table with columns: PLCA Paso Flores, 57.37 151 P, P, 02 34 19.4 +5.1, comp=Z,2.2nm,0.9s, baz=327,slow=7.2,SNR=3.4

IDC 19 02:36:10.5.1.2, 60.12N, 152.72W, h78km, 14km, mb3.6/14, mbtmp3.9/19, Error ellipse: s-maj=16.2km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, PLCA Paso Flores, 57.37 151 P, P, 02 34 19.4 +5.1

19d 2h

2019 JAN

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BRSE	Bradley Lake S	0.94	110	Pn	02 36 32.6 +0.1	comp=N,224nm,0.7s					BERG	Berg Lake	4.40	82	IAML	02 38 28.3	
BRSE	Bradley Lake S	0.94	110	P	02 36 32.6 +0.1	SML	comp=E,256nm,0.8s		IAML	02 37 26.3	BERG	comp=N,52nm,1.0s				02 38 32.7	
CAPN	Captain Cook N	0.97	43	Pn	02 36 34.3 +1.6	SML	Sawmill	2.68	48	Pn	02 37 24.2 -1.8	WACK	Wrayell Chm	4.41	61	Pn	02 37 16.9 -0.6
SPU	Mount Spurr	1.14	11	Pn	02 36 34.6 -0.1	SML	Sawmill	2.68	48	P	02 37 24.4 -0.7	PAX	Paxson	4.45	46	Pn	02 37 17.5 -0.3
SPU	Mount Spurr	1.14	11	Ph	02 36 52.1	SML	baz=231		S	Sn	02 37 24.2 -1.8	PAX	Paxson	4.45	46	P	02 37 17.5 -0.3
SPU	comp=N,789nm,0.4s			IAML	02 36 52.0	R18K	Karluk	2.71	203		02 36 53.8 -0.5	WASW	Wraggell South	4.46	62	Pn	02 37 17.6 -0.5
SPU	comp=E,1um,0.6s	1.14	11	Sn	02 36 51.1 -0.3	R18K	Karluk	2.71	203	P	02 36 53.8 -0.5	GLB	Glenn Butte	4.48	58	Pn	02 37 17.2 -0.9
SLKM	Skilak Lake	1.22	68	Pn	02 36 35.2 -0.3	M17K	Holitna River	2.77	301	Pn	02 36 55.0 -0.2	GLB	Glenn Butte	4.48	68	IAML	02 38 07.4
N19K	Bonanza Creek	1.24	308	Pn	02 36 35.4 -0.4	M17K	Holitna River	2.77	301	IAML	02 37 28.3	GLB	comp=N,327nm,0.7s			IAML	02 38 09.7
N19K	Bonanza Creek	1.24	308	P	02 36 53.5	M17K	comp=N,99nm,0.9s			IAML	02 37 46.8	J17K	comp=E,27nm,0.6s			Pn	02 37 19.1 -0.3
N19K	Bonanza Creek	1.24	308	P	02 36 35.4 -0.4	M17K	comp=E,89nm,0.7s			IAML	02 37 46.8	J17K	VABM Dome	4.58	320	P	02 37 19.1 -0.3
SPCG	Spurr Capps Gl	1.25	11	Sn	02 36 53.6 -0.1	M17K	Holitna River	2.77	301	P	02 36 55.0 -0.2	VRDI	Verde Repeater	4.60	71	Pn	02 37 18.8 -1.1
Q19K	Cape Douglas,	1.28	208	Pn	02 36 35.8 -0.5	PPLA	Purkeypile	2.84	3	Pn	02 37 30.2 +0.2	VRDI	Verde Repeater	4.60	71	IAML	02 38 14.6
Q19K	Cape Douglas,	1.28	208	IAML	02 36 54.9	PPLA	Purkeypile	2.84	3	P	02 36 56.9 +0.6	NEA2	Nenana	4.81	18	IAML	02 38 19.0
Q19K	comp=E,440nm,1.2s			IAML	02 36 59.9	PPLA	baz=183		S	Sn	02 37 30.2 +0.2	NEA2	comp=N,21nm,0.5s			IAML	02 38 22.3
Q19K	comp=N,597nm,0.6s	1.28	208	P	02 36 35.9 -0.5	OHAK	Old Harbor	2.88	189	Ph	02 36 55.2 -1.4	NEA2	comp=E,23nm,0.3s			Pn	02 37 22.2 -0.4
Q19K	Cape Douglas,	1.38	262	Pn	02 36 37.1 -0.3	OHAK	Old Harbor	2.88	189	Pn	02 36 55.2 -1.4	NEA2	Nenana	4.81	18	P	02 37 22.2 -0.4
O18K	Koktuh Hills	1.38	262	Pn	02 36 37.3 -0.2	M23K	Glacier View	2.90	51	P	02 36 56.6 -0.3	SNH	Sunshine Point	4.83	84	Pn	02 37 23.2 +0.3
O18K	Koktuh Hills	1.38	262	Pn	02 36 37.3 -0.2	L18K	Granite Mounta	2.97	319	Ph	02 36 57.5 -0.3	SNH	Sunshine Point	4.83	84	IAML	02 38 29.9
O22K	Cooper Landing	1.44	72	Pn	02 36 38.2 +0.1	L18K	Granite Mounta	2.97	319	P	02 36 57.5 -0.3	SNH	comp=N,31nm,1.2s			IAML	02 38 55.8
O22K	Cooper Landing	1.44	72	Sn	02 36 57.2 -0.3	L18K	Granite Mounta	2.97	319	P	02 36 57.5 -0.3	SNH	comp=E,26nm,1.4s			IAML	02 37 23.4 +0.6
O22K	Cooper Landing	1.44	72	P	02 36 38.5 +0.1	HIN	Hinchinbrook I	3.01	81	IAML	02 37 35.2	I20K	Naaghedeneel	4.84	350	IAML	02 39 07.0
O22K	Cooper Landing	1.44	72	P	02 36 58.8	HIN	Hinchinbrook I	3.01	81	IAML	02 37 35.2	I20K	comp=N,34nm,0.8s			IAML	02 37 23.4 +0.6
Q22K	Shuyak Island	1.46	178	Ph	02 36 59.0	HIN	comp=N,99nm,0.7s			IAML	02 37 42.3	I20K	Naaghedeneel	4.84	350	P	02 37 23.4 +0.6
Q22K	Shuyak Island	1.46	178	Ph	02 36 59.0	HIN	comp=N,99nm,0.7s			IAML	02 37 39.1	WRH	Wood River Hill	4.88	23	IAML	02 38 18.6
Q22K	Shuyak Island	1.46	178	Pn	02 36 59.0	HIN	comp=N,178nm,0.9s			IAML	02 37 47.6	WRH	comp=E,33nm,0.6s			IAML	02 38 21.2
Q20K	Shuyak Island	1.46	178	P	02 36 38.5 +0.1	SCM	comp=E,162nm,1.0s			IAML	02 36 58.7 -0.7	K15K	Wolf Creek Mou	4.91	301	P	02 37 24.1 +0.2
Q20K	Shuyak Island	1.46	178	P	02 36 38.7 +0.1	SCM	comp=N,178nm,0.9s			IAML	02 37 00.2	K15K	Wolf Creek Mou	4.91	301	Pn	02 37 24.1 +0.2
Q20K	Shuyak Island	1.46	178	P	02 37 00.2	SCM	comp=E,237nm,0.4s			IAML	02 37 00.2	K15K	Wolf Creek Mou	4.91	301	Pn	02 37 24.1 +0.2
STLK	Strandline Lak	1.47	12	Pn	02 37 01.2	N16K	Nishlik Lake	3.15	280	P	02 37 00.8 +0.5	BARK	Barkley Ridge	5.00	82	Pn	02 37 25.5 +0.3
STLK	Strandline Lak	1.47	12	IAML	02 37 01.2	N16K	Nishlik Lake	3.15	280	P	02 37 00.8 +0.5	J16K	Anvik River	5.03	313	Pn	02 37 25.2 -0.3
SEW	Seward	1.52	87	Sn	02 36 58.2 -1.1	Q23K	Middletown Isla	3.17	99	IAML	02 37 01.1 +0.6	J16K	Anvik River	5.03	313	P	02 37 25.2 -0.3
SEW	Seward	1.52	87	Pn	02 36 38.8 -0.3	Q23K	Middletown Isla	3.17	99	IAML	02 37 40.2	HDA	Harding Lake	5.07	28	P	02 37 25.9 -0.2
SEW	Seward	1.52	87	P	02 36 38.6 -0.5	Q23K	comp=N,158nm,0.8s			IAML	02 38 53.8	CCB	Clear Creek Bu	5.09	23	IAML	02 38 24.5
SEW	Seward	1.52	87	S	02 36 58.2 -1.1	Q23K	comp=E,135nm,1.3s			Pn	02 37 01.1 +0.6	CCB	comp=E,45nm,0.4s			IAML	02 38 25.4
P18K	Big Mountain,	1.54	245	Pn	02 36 38.8 -0.6	TTA	Tatalina	3.33	331	Ph	02 37 02.7 0.0	CCB	comp=N,37nm,0.4s			IAML	02 38 53.5
P18K	Big Mountain,	1.54	245	Pn	02 36 38.8 -0.6	TTA	Tatalina	3.33	331	Pn	02 37 02.4 -0.3	Mentasta	comp=N,43nm,1.0s			IAML	02 37 26.5 -0.2
FIS	Fire Island	1.56	45	Pn	02 36 40.9 +1.4	M16K	Timber Creek	3.33	289	P	02 37 02.8 +0.1	BALM	Baldy	5.10	75	Pn	02 37 27.1 +0.4
FIS	Fire Island	1.56	45	IAML	02 37 23.0	M16K	Timber Creek	3.33	289	P	02 37 02.8 +0.1	GCSA	Galena City Sc	5.12	338	P	02 37 27.1 +0.4
FIS	Fire Island	1.56	45	IAML	02 37 41.1	CAST	Castle Rocks	3.37	3	P	02 37 03.2 +0.1	M26K	Nabesna, AK	5.15	59	IAML	02 37 27.0 -0.2
SUA	Susitna One	1.64	31	Sn	02 37 03.1 +1.0	CAST	Castle Rocks	3.37	3	P	02 37 03.1 -0.1	M26K	Nabesna, AK	5.15	59	IAML	02 38 27.6
SUA	Susitna One	1.64	31	IAML	02 37 03.8	K20K	Telida	3.39	348	P	02 37 03.6 +0.2	M26K	comp=N,30nm,0.7s			IAML	02 38 27.6
SUA	Susitna One	1.64	31	IAML	02 37 04.4	K20K	Telida	3.39	348	P	02 37 03.6 +0.2	M26K	comp=N,24nm,0.5s			IAML	02 38 27.0 -0.2
SUA	Susitna One	1.64	31	P	02 36 41.2 +0.5	EYAK	Cordova Ski Ar	3.39	79	Pn	02 37 02.2 -1.2	M26K	Nabesna, AK	5.15	59	Pn	02 37 27.0 -0.2
SUA	Susitna One	1.64	31	S	02 37 03.1 +1.0	EYAK	Cordova Ski Ar	3.39	79	Pn	02 37 02.2 -1.2	RIDG	Independent Ri	5.16	41	Pn	02 37 27.5 +0.1
RC01	Rabbit Creek A	1.71	52	Pn	02 36 41.4 0.0	L17K	Donlin	3.50	309	Pn	02 37 04.6 -0.3	RIDG	Independent Ri	5.16	41	P	02 37 27.5 +0.1
RC01	Rabbit Creek A	1.71	52	Pn	02 36 41.4 0.0	L17K	Donlin	3.50	309	Pn	02 37 04.6 -0.3	L14K	Kuka Creek	5.17	289	Pn	02 37 27.5 +0.2
KAPH	Katmai Pasha	1.75	214	Pn	02 36 42.6 +0.5	KLK	Klutina	3.53	63	Pn	02 37 04.3 -1.0	L14K	Kuka Creek	5.17	289	IAML	02 38 57.0
N18K	Kilae Creek	1.79	292	Pn	02 36 42.1 -0.5	KLK	Klutina	3.53	63	Pn	02 37 04.5 -0.8	L14K	comp=N,21nm,1.4s			IAML	02 39 17.0
N18K	Kilae Creek	1.79	292	Sn	02 36 42.2 -0.3	TRF	Thorofore Moun	3.55	16	Pn	02 37 05.2 -0.5	L14K	Kuka Creek	5.17	289	P	02 37 27.5 +0.2
N18K	Kilae Creek	1.79	292	P	02 36 42.2 -0.3	TRF	Thorofore Moun	3.55	16	IAML	02 37 48.1	COLA	College	5.28	22	Pn	02 37 28.8 -0.1
N18K	baz=108			S	02 37 04.8 -0.7	TRF	Thorofore Moun	3.55	16	IAML	02 37 53.1	L26K	Log Cabin Wild	5.29	52	IAML	02 38 51.9
N18K	baz=108			S	02 37 04.8 -0.7	TRF	comp=N,121nm,0.8s			IAML	02 37 53.8	L26K	comp=N,42nm,0.5s			IAML	02 38 52.4
M20K	Styx River	1.85	351	Pn	02 36 43.7 +0.4	KTH	Kantishna Hill	3.58	11	IAML	02 37 51.0	I23K	Minto, Yukon-K	5.30	14	IAML	02 41 04.3
M20K	Styx River	1.85	351	IAML	02 37 08.1	KTH	comp=N,88nm,0.6s			IAML	02 37 53.8	I23K	comp=N,34nm,0.6s			IAML	02 41 04.5
M20K	Styx River	1.85	351	IAML	02 37 08.5	SII	Sitkinan Island	3.63	195	Pn	02 37 05.2 -1.5	I23K	comp=N,94nm,0.6s			IAML	02 37 29.1 0.0
M20K	Styx River	1.85	351	P	02 36 43.5 +0.3	SII	Sitkinan Island	3.63	195	IAML	02 37 58.3	DOT	Dot Lake	5.37	44	Pn	02 37 30.0 -0.1
SKT	Skwentna	1.98	13	Pn	02 36 45.0 +0.1	SII	Sitkinan Island	3.63	195	P	02 37 05.2 -1.5	ILAR	Eielson Array	5.39	26	Pn	02 37 29.8 -0.7
SKT	Skwentna	1.98	13	IAML	02 37 11.2	M24K	Tolsona, Glenn	3.69	54	IAML	02 37 55.8	ILAR	comp=N,11nm,0.4s, baz=216,slow=14,SNR=153			S	02 38 28.1 -2.9
SKT	Skwentna	1.98	13	IAML	02 37 11.9	M24K	comp=N,119nm,0.6s			IAML	02 37 07.4 -0.1	ILAR	comp=N,5.0nm,0.4s, baz=204,slow=16,SNR=4.6			S	02 37 31.6 +0.5
SKT	Skwentna	1.98	13	Pn	02 36 44.7 -0.1	RND	Reindeer	3.77	26	Ph	02 37 08.8 +0.2	I17K	Unalakleet	5.44	318	Pn	02 37 31.0 -0.1
M22K	Willow	2.05	33	Ph	02 36 46.2 +0.5	RND	Reindeer	3.77	26	IAML	02 37 52.9	H20K	Anotleneega Mo	5.55	350	Pn	02 37 32.5 -0.1
M22K	Willow	2.05	33	P	02 36 46.4 +0.7	RND	comp=N,88nm,0.6s			IAML	02 37 55.6	H20K	Anotleneega Mo	5.55	350	Pn	02 37 32.5 -0.1
M19K	Big River Lodg	2.06	334	Pn	02 36 46.1 +0.1	RND	comp=N,92nm,0.4s			IAML	02 37 08.7 -0.1	POKR	Poker Plat Res	5.58	23	Pn	02 37 32.8 -0.1
M19K																	

Table with columns: DLBC, INK, YKA, PETK, NVAR, PDAR, SPITS, NRIK, TXAR, ARCES, ZALV, FINES, HFS, BVAR, KURBB, EKA, BRTR. Each row contains station name, frequency, and other technical details.

IDC 19 02:36:45.4:0.7, 36:186N:141:28E, h0km, mb3.9/18, mbmp3.8/21, ML3.3/3, MS4.3/1, Error ellipse: s-maj=18.2km s-min=15.4km az=103.0

JMA 19 02:36:47.8:0.1, 36:9N:0:3, 141:3E:0.6, h33km, MD4.0/39, MV4.0/39, E OFF FUKUSHIMA PREF

JMA Felt J1 at E OFF FUKUSHIMA PREF

NIED 19 02:36:47.8, 36:88N:141:32E, h33km, MW3.7, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mm-3.29; Mm0.19; Mm3.10; Mm-0.36; Mm1.61; Mm0.37;

Fault plane solution: Ms:3.60000x10^14 NP1:0.34, 0.00000; s2:4.00000; s3:-76.00000; NP2:0.195, 0.00000; s4:7.00000; s5:-103.00000

ISC 19 02:36:45.6:2.4, 36:36N:0:04:141:34E:0.05, h2km, 14km, n02, c053/43, mb3.9/18, 9D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ONAJ, JFK, JFY, JFD, JHO, JHYU, JMS, JOTO, JMM, JYT, JSB, JFY, JYAR, MJAR, MJAR, ASAJ, KSRS, SONM, H1N2, H1N1, H1N3, H1S1, H1S2, ZALV, ZALV, MKAR, KURBB, ILAR, BVAR, INK, WRA, ASAR, YKA, ARCES.

Table with columns: FINES, HFS, NB2, NOA, AKASA, BRTR, MLR, GERES, TXAR, QSPA, LPAZ. Lists stations and their technical details.

RSPR 19 02:41:17.5, 19:55N:64:75W, h102km, 24km, MD3.5/3 NEIC 19 02:41:17.6:1.0, 19:55N:02:64.6W:0.2, h35km, 2km, ML2.1/6, MD3.5/3(RSPR), 3D, Error ellipse: s-maj=55.0km s-min=3.1km az=138.0, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like HUMP, COL, HUMP, HUMP, HUMP, HUMP, PDRP, PDRP, CELP, CELP, CELP, CELP, WRA, CMAR, MKAR, KURBB.

IDC 19 02:41:22.1:17.0, 2:29N:128:29E, h650km, 272km, mb2.6/4, mbmp3.6/4, Error ellipse: s-maj=232.4km s-min=30.6km az=48.0, Halmahera

PRU 19 02:53:14.8, 50:42N:18:79E, h0km VIE 19 02:53:14.2:0.3, 50:39N:18:84E, h0km, mb2.4/5, m2.4/4, Error ellipse: s-maj=2.7km s-min=2.0km az=160.0, Suspected Mining induced.

IPEC 19 02:53:14.3:0.2, 50:40N:18:82E, h1km, ML2.5/4, Error ellipse: s-maj=2.3km s-min=1.1km az=169.0

IDC 19 02:53:15.8:1.8, 50:34N:18:74E, h0km, mbmp3.4/3, ML2.9/3, Error ellipse: s-maj=37.9km s-min=10.0km az=132.0

ISC 19 02:53:13.6:0.8, 50:42N:18:82E:0.02, h0km, n34, c054/56, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, CMAR, MKAR, KURBB, PRU, VIE, IPEC, IDC, ISC, RAC, OJC, OKC, MORC, LANS, LANS, KRLC, NIE, DPC, DPC, KSP, KSP, JAVC, JAVC, VRAC, VRAC, VRAC, STHS, STHS, VYHS, KRUC, KRUC, KECS, KECS, TREC, GOPC, KOLS, KOLS, PRU, BRG, BRG, BRG, BRG, CONA, CONA, RONA, RONA, RONA, KHC, KHC, KHC, ASAJ.

Table with columns: GERES, GERES, GERES, CLL, ARSA, ARSA, MOA, MOA, AKASA, DAVOX, FINES, ARCES. Lists stations and their technical details.

IDC 19 02:55:14.9:1.1, 36:97N:142:28E, h0km, mb3.7/8, mbmp3.7/11, ML3.2/3, MS4.1/1, Error ellipse: s-maj=26.4km s-min=19.2km az=73.0

JMA 19 02:55:15.3:0.3, 37:0N:0:7:14:2E, h18km, 3km, MV3.9/35, E OFF FUKUSHIMA PREF

NIED 19 02:55:15.3, 36:95N:142:27E, h18km, MW3.7, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mm-3.68; Mm0.77; Mm2.91; Mm0.68; Mm0.74; Mm2.17;

Fault plane solution: Ms:4.10000x10^14 NP1:0.34, 0.00000; s2:8.00000; s3:-90.00000; NP2:0.197, 0.00000; s4:62.00000; s5:-90.00000

ISC 19 02:55:17.3:0.9, 37:13N:0:05:142:22E:0.06, h10km, n39, c180/40, mb3.6/9, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like JFK, JFY, ONAJ, JMST, JMST, JFD, JMM, JMM, JMM, JMM, JIO, JIO, JTO, JTO, JOU, JOU, JMK, JFY, JYS, JYS, JAG, MJAR, MJAR, MJAR, MAJO, MAJO, JSD, JTD, JTM, JGF, JGF, ASAJ, USRK, USRK, KSRS, H1N2, H1N1, H1N3, SONM, H1S1, H1S2, H1S2, MKAR, KURBB, ILAR, BVAR, ARTI, WRA, ASAR, AKASA.

NEIC 19 02:57:45.3:2.1, 19:2N:0:1:145:0E:0.2, h401km, 3km, mb4.0/21, Error ellipse: s-maj=21.1km s-min=18.6km az=83.0

IDC 19 02:57:45.5:2.8, 19:43N:144:94E, h408km, 29km, mb3.3/19, mbmp4.1/23, Error ellipse: s-maj=19.6km s-min=13.5km az=93.0

ISC 19 02:57:44.6:0.7, 19:33N:0:1:144:94E:0.1, h400km, n49, c192/49, mb3.9/29, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like H1N2, H1N1, H1N3, SONM, H1S1, H1S2, H1S2, MKAR, KURBB, ILAR, BVAR, ARTI, WRA, ASAR, AKASA, H1N2, H1N1, H1N3, SONM, H1S1, H1S2, H1S2, MKAR, KURBB, ILAR, BVAR, ARTI, WRA, ASAR, AKASA.

19d 3h

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KLR, MTN, WBO, WB2, WRA.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ, SONM, SONM, CMAR, ASAR.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like L14K, ZALV, MKAR, MKAR, MKAR.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H19K, KURK, KURK, KURB, CAST, CAST.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOOM, ILAR, D24K, D24K, D25K, BVAR, BVAR.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRVK, BRVK, KKAR, KKAR, KKAR, KKAR.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARCES, ARCES, NVAR, NVAR, FINES, FINES.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HFS, HFS, NOA, NOA, BRTR, BRTR.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TORD, TORD, TORD, TORD.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDD, SDD, OSPL, OSPL.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR, ASAR, WRA, WRA.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GSPA, GSPA, FINES, FINES.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H03N1, H03N1, H03N1, H03N1.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILAR, ILAR, ILAR, ILAR.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CATAC, CATAC, CATAC, CATAC.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GCG, GCG, GCG, GCG.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ICS, ICS, ICS, ICS.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LALI, LALI, LALI, LALI.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UESV, UESV, UESV, UESV.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PION, PION, PION, PION.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOAS, BOAS, BOAS, BOAS.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JTS, JTS, JTS, JTS.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDV, SDV, SDV, SDV.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 352A, 352A, 352A, 352A.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TKL, TKL, TKL, TKL.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CLTN, CLTN, CLTN, CLTN.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like V53A, V53A, V53A, V53A.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like W57A, W57A, W57A, W57A.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like U45A, U45A, U45A, U45A.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OK052, OK052, OK052, OK052.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like T47A, T47A, T47A, T47A.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like S39A, S39A, S39A, S39A.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CCM, CCM, CCM, CCM.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like W40I, W40I, W40I, W40I.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like T59A, T59A, T59A, T59A.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANMO, ANMO, ANMO, ANMO.

1098

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TUCK, TUCK, TUCK, TUCK.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CED, CED, CED, CED.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMS, KMS, KMS, KMS.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SAL, SAL, SAL, SAL.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GLE, GLE, GLE, GLE.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RED, RED, RED, RED.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TAY, TAY, TAY, TAY.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BTL, BTL, BTL, BTL.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SH, SH, SH, SH.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOL, BOL, BOL, BOL.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CAT, CAT, CAT, CAT.

Table with columns: Station, Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WYO, WYO, WYO, WYO.

19d 4h

-4.5400, Plg61.0000", Azm352.0000"; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
NOU 19 04:14:28.7,28.81S:178.09W,h27km,mb4.9/39,
Kermadec Islands Region
NEIC 19 04:14:29.7,2.2,28.86S:0.1x:178.5W:0.1, h265km,1km,
mb4.8/147, Error ellipse: s-maj=19.2km s-min=14.7km
az=206.0
IDC 19 04:14:29.5,0.4,28.57S:178.52W,h266km,3km,mb4.2/19,
mbmp4.8/22, Error ellipse: s-maj=11.1km s-min=10.7km
az=270.0

ISC 19 04:14:29.3,0.4,28.82S:0.04:178.56W:0.05,
h267km,3km,h268km:pp-P,n324,az14/308,mb4.8/88,
16C-15D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists various seismic stations and their associated data points.

2019 JAN

Table with columns: WAKE, Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations for WAKE and other regions.

1100

Table with columns: Station Name, Az, Az2, Phase ID, Time Res, ISC, h, m, s, ISC. Lists seismic stations for the 1100 region.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TESR, KWP, VRI, PLOAR, TURR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALV, KURBB, GSPA, BVAR, ILAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK, KURBB, BVAR, ILAR, etc.

1DC 19 04:18:41.2±0.8, 6.20S, 142.92E, h0km, mb3.9/9, mbmp4.0/13, ML4.3/3, MS3.4/3, Error ellipse: s-maj=18.4km s-min=10.8km az=112.0

1DC 19 04:26:49.4±0.8, 4.44S, 134.16E, h0km, mb3.9/8, mbmp4.1/12, ML3.3/1, MS3.5/1, Error ellipse: s-maj=36.9km s-min=12.1km az=81.0

1DC 19 04:32:28.4±7.5, 7.54S, 127.64E, h256km, 83km, mb3.2/2, mbmp3.7/6, Error ellipse: s-maj=94.9km s-min=22.9km az=44.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TABU, JAY, PMG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG, DAV, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMIG, LPIG, TXAR, etc.

1DC 19 04:18:46.2±0.7, 6.20S, 102.60E, h42.82E±0.08, h35km, n23, ±236/24, mb3.9/9, New Guinea

1DC 19 04:26:52.4±0.8, 4.48S, 108.134E±0.2, h21km, n21, ±090/14, mb4.0/8, MS3.4/8, Irian Jaya region

1DC 19 04:37:57.0±1.1, 8.7N±0.1, 103.37W±0.2, h10km, n35, ±090/9, mb3.8/6, MS3.7/26, Northern East Pacific Rise

19d 5h

Table with columns: RES, Station Name, Az, El, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like Resolute Bay, Kangerlussuaq, Riechardt, etc.

IDC 19 04:49:49.0±0.5, 12.69N; 125.95E, h0km, mb4.2/20, mbmp3.4/21, ML4.4/1, MS3.2/5, Error ellipse: s-maj=26.5km s-min=12.4km az=71.0

NEIC 19 04:49:51.7±1.3, 12.7N; 0.1±125.9E±0.2, h10km, 1km, mb4.6/39, Error ellipse: s-maj=26.6km s-min=16.4km az=74.0

DJA 19 04:50:02.1±1.5, 13.1N; 7.12±5E.1°0, h17km, 15km, MA4.9/10, mb4.8/10, mB5.8/9, Mw(MB)5.4/3

ISC 19 04:49:54.1±0.4, 12.74N; 0.06±126.0E±0.1, h32km, n72, e=92/70, mb4.5/42, MS2.8/3, Samar

Main station list table for the first column, containing station names, coordinates, and seismic data.

2019 JAN

Table with columns: RAYN, Station Name, Az, El, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like Ar Rayn, Kavik River, Eielson Array, etc.

SDD 19 05:09:33.1±2.1, 19.37N; 68.39W, h117km, 42km, MD2.7, ML2.1, MW2.3

NEIC 19 05:09:37.9±1.3, 19.53N; 0.10±68.47W±0.03, h10km, 2km, ML2.0/216, MD3.3/4(RSPF), Error ellipse: s-maj=16.9km s-min=3.3km az=351.0

RSRP 19 05:09:40.6, 19.68N; 68.37W, h61km, 27km, MD3.3/4

ISC 19 05:09:39.1±1.8, 19.5N; 0.2±68.61W±0.08, h51km, 50km, n26, e159/28, 12C, North Atlantic Ocean

Main station list table for the second column, containing station names, coordinates, and seismic data.

IDC 19 05:14:34.7±1.0, 4.48S; 134.20E, h0km, mb3.7/6, mbmp3.8/10, ML3.9/4, MS3.3/5, Error ellipse: s-maj=51.8km s-min=20.5km az=75.0

NEIC 19 05:14:35.3±1.9, 4.40S; 0.10±134.1E±0.1, h10km, 1km, mb4.2/10, Error ellipse: s-maj=23.3km s-min=7.1km az=49.0

ISC 19 05:14:37.5±0.7, 4.57S; 0.06±134.03E±0.10, h21km, n42, e199/35, mb3.8/9, MS3.1/3, Inarua Bay region

Main station list table for the third column, containing station names, coordinates, and seismic data.

Table with columns: OOD, Station Name, Az, El, AzE, Phase ID, Time Res, h m s, ISC. Includes stations like Oodnadatta, Innaminka, QLP, etc.

IDC 19 05:20:20.2±2.6, 19.70S; 69.11W, h112km, 24km, mb3.3/5, mbmp3.7/7, Error ellipse: s-maj=25.7km s-min=20.9km az=87.0

GUC 19 05:20:21.3±0.8, 19.73S; 69.27W, h93km, 4km, ML3.6

SJA 19 05:20:22.0, 19.69S; 69.49W, h57km, ML3.7

ISC 19 05:20:19.0±0.8, 19.69S; 0.04±69.49W±0.06, h97km, 6km, n38, e168/41, mb3.5/4, 6C-3D, Northern Chile

Main station list table for the fourth column, containing station names, coordinates, and seismic data.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like JHYU, YASATO, IWAKIMIZUSHIY, etc.

IDC 19:05:22.53.4.1.2.4.86S:153.99E,h0km,mb3.7/10, mbmp3.7/10, Error ellipse: s-maj=44.4km s-min=22.0km az=104.0

ISC 19:05:23.07.0.1.1.4.9S:0.2.153.9E,0.3,h105km,n12, +12SD,mb3.6/11, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like WRA, ASAR, FITZ, SONM, MKAR, ZALV, ILAR, KURBB, GSPA, MAW, BVAR, TORD.

PGC 19:05:33:06.4.1.0.20.58N:130.39W,h10km,MLn3.4/29, Mw4.0/29,209km west of Pt. Hardy, Bc Vancouver Island, Canada Region

IDC 19:05:33:06.2.1.9.50.62N:130.20W,h0km,mb3.6/11, mbmp3.3/8,ML2.4/7,MS3.5/3, Error ellipse: s-maj=23.1km s-min=12.2km az=66.0

ISC 19:05:33:06.4.1.1.50.62N:0.06:130.33W,0.06,h14km,n77, +12SD/85,Vancouver Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like HOLB, PACB, PHC, MAYB, BBB, UBU.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like BBB, BAB, EDB, NTKA, BUTB, MOCB, NCRB, NCSB, GRIB, GDR, BNBAB, BNBAB, DIB, CBB, GRNB, PCLB, OZB, KITB, B928, B927, TXB, MGRB, NLLB, PTRF, CLRS, UBRN, UJBR, WPB, BIB, SYMB, GQB, WSB, V3BK, GBC, OGC, SIDNEY, B009, B011, NMB, OSB, FSUB, LLLB, HOPB, JCW, RPW, T35M, FMW, LON, LGTY, BMTB, B08A, NCRB, DLBC.

DLBC 207,slow=5.9,SNR=1.3

DLBC Dease Lake 7.71 1.03 Pn 05 35 18.0 +0.1

DLBC Dease Lake 7.71 1.03 Pn 05 35 18.0 +0.1

DLBC Dease Lake 7.71 1.03 Pn 05 35 18.0 +0.1

DLBC Dease Lake 7.71 1.03 Pn 05 35 18.0 +0.1

DLBC Dease Lake 7.71 1.03 Pn 05 35 18.0 +0.1

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DLBC Dease Lake 7.71 1.03 Pn 05 35 18.0 +0.1

DLBC Dease Lake 7.71 1.03 Pn 05 35 18.0 +0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like STKA, RAR, AS31, ASAR, WBO, WBA, WRA, MTN, FORT, TBI, PPT2, PPT, KNRA, FAKI, FITZ, GUMO, MBWA, NWA0, DAV, TOLIZ, JHJ, MJAR, GSPA, QSPA.

KSRS Korea Array 71.06 326 P 05 51 55.1 +0.8

KSRS Korea Array 71.06 326 P 05 51 55.1 +0.8

KSRS Korea Array 71.06 326 P 05 51 55.1 +0.8

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KSRS Korea Array 71.06 326 P 05 51 55.1 +0.8

KSRS Korea Array 71.06 326 P 05 51 55.1 +0.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like WTTA Wattenberg, MOTA Moosalm, SOTA Sankt Quirin, etc.

TEH 19 05:42:35.6.34:15N:45:61E, h9km
ISN 19 05:42:38.0.1.5.34:15N:45:60E, h30km, 50km, ML2.6
ISC 19 05:42:36.6.1.1.34:15N:45:57E, h10km, n12,
0:056/14, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like GLG1 Ghan-e-Gharb, KGS1 Ghasr-e-Shirin, etc.

IDC 19 05:50:33.5.1.1.8:34N:103:39W, h0km, mb3.7/8,
mbtmp3.7/9, ML3.6/1, MS3.5/9, Error ellipse: s-maj=40.1km
s-min=18.6km, az=59.0

ISC 19 05:50:33.5.1.1.0:33N:0:1:103:5W:0:1, h10km, n21,
+1501/12, mb3.97, MS3.4/7, Northern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like CMIG Matias Romero, JTS Las Juntas de, etc.

IDC 19 06:07:00.8.6.4.0:20N:123:71E, h152km, 61km, mb3.3/9,
mbtmp3.8/10, Error ellipse: s-maj=64.4km s-min=16.6km
az=65.0

NEIC 19 06:07:00.3.1.4.0:03N:0:09:123:71E:0:08, h128km, 8km,
mb4.2/21, Error ellipse: s-maj=13.2km s-min=10.9km
az=177.0

DJA 19 06:07:01.5.0.5.0:S:4:12:4E:, h130km, 6km, M4.2/8,
ML4.2/8

ISC 19 06:07:01.4.0.5.0:03S:0:06:123:62E:0:08, h157km, n47,
+186/49, mb4.0/20, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like KMSI Cibinong, LUWI Luwuk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like ASAR, CJJ STKA, SOMM, etc.

RSNC 19 06:13:55.6.0.0.7:N:1:7:3W:, h146km, 2km, M2.7, mb4.2,
mb3.2, ML2.5, Mw(mb)3.3, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like BARC Barichara, BRUC Barrancabermej, etc.

IDC 19 06:19:38.0.1.2.3:12N:41:26W, h0km, mb3.9/17,
mbtmp3.9/17, MS3.6/24, Error ellipse: s-maj=32.8km
s-min=16.9km, az=12.0

NEIC 19 06:19:41.2.1.6.3:11N:0:2:41:11W:0:05, h10km, 2km,
mb4.7/17, Error ellipse: s-maj=30.3km s-min=7.1km
az=179.0

ISC 19 06:19:40.4.0.9.3:11N:0:2:41:1W:0:1, h10km, n60,
0:1923/36, mb4.1/24, MS3.6/24, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like BBSR BB Station, PMOZ Porto Moniz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like TKL Tuckaleechee C, EKA Eskdalemuir Ar, etc.

ASIES 19 06:35:26.6.23:38N:120:51E, h7km, ML3.9, Mw3.4,
Moment Tensor Solution, Moment tensor: Scale 10^21Nm;
Mr:1.30; Mw:0.28; Ms:1.02; Mv:0.01; Mh:0.04; Mv:0.05;

Fault plane solution: Mv1.46112x10^21 NP1:
0:222.05000°, 836.43000°, 1.109.57000°. NP2:
0:18.21000°, 855.98000°, 1.76.11000°. Principal axes: T
Plg74.704°, Azm248.1730°, N Plg11.4730°.

APZ 19 06:35:26.6.23:38N:120:51E, h7km, ML3.9, 3C-17D, B, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like CHN4 Tsashan, CHN5, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details for various stations.

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Table with columns: G21K, NNA, INK, YKA, AKASG, BRTR. Includes station names like Allakaket, Nana, Inuik, Yellowknife Arr, Malin Array Be, Keskin Array B.

Table with columns: MJAR, QSPA, YULB, NACB, TPUUB, REAOL, PETK, KSR5, USRK, NVAR, O19K, O19K, K15K, MA2, GAMB, GAMB, J16K, U15A, J18K, J18K, K20K, K20K, CAST, N25K, N25K, SEY, TX31, TXAR, ILAR, E18K, J26L, J26L, PDAR, MAYO, CMAR, SONM, YKA, ZALV, MKAR, KURBB, BORVO, ARCES, FINES, AKASG, AKASG, EKA, BSEG, RUE, FLTG, FLTG, NRDG, BRTR, IBBN, OSTC, CLZ, CLL, STUB, STUB, DPC, BRG, KRLC, GTTG, NEUB, MAUC, MAUC, KASTN, PRU, MOX, TANN, NKC, NKC, ZVC, ROTZ, TNS, KHC, GEC2, GERE, GERE, CONA, RONA, BFO, SOKA, UBR, WATA, WATA, MOTA, MYKA, SQT, ABTA, FETA.

Table with columns: NEIC, IDC, ISC. Includes station names like NEIC 19 07:50:36.9e.1.3, IDC 19 07:50:38.5e.2.7, ISC 19 07:50:34.8e.0.7.

UPA 19 07:40:32.4e.1.7, 7.47N-82.42W, h6km, 10km, MD3.8, MW4.1, 3D, South of Panama

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTPM, PEDES, LOMA, DVID, PSOM3, PSOM3, GMAL, PTAR3, BRU2, RSUS3, MLR13, MESA3, MARI3, CHGR2, CACAO, CACAO, STIA3, CALO3, PESE3, CRIS3, CRIS3, TOSK3, CHIT3, CHIT3, AZU, AZU, PCRI3, PNME, CHOR3, BCIP, BCIP, UPA, UPA, JTS.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSR5, USRK, NVAR, O19K, O19K, K15K, MA2, GAMB, GAMB, J16K, U15A, J18K, J18K, K20K, K20K, CAST, N25K, N25K, SEY, TX31, TXAR, ILAR, E18K, J26L, J26L, PDAR, MAYO, CMAR, SONM, YKA, ZALV, MKAR, KURBB, BORVO, ARCES, FINES, AKASG, AKASG, EKA, BSEG, RUE, FLTG, FLTG, NRDG, BRTR, IBBN, OSTC, CLZ, CLL, STUB, STUB, DPC, BRG, KRLC, GTTG, NEUB, MAUC, MAUC, KASTN, PRU, MOX, TANN, NKC, NKC, ZVC, ROTZ, TNS, KHC, GEC2, GERE, GERE, CONA, RONA, BFO, SOKA, UBR, WATA, WATA, MOTA, MYKA, SQT, ABTA, FETA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PEAOB, PETK, PETK, PETK, JKA, ASAJ, ERM, JTM, MA2, JMM, USA0B, MAJO, SEY, MDJ, MDJ, JSG, KSR5, KSR5, KSAR, BILL, BILL, TNA, TNA, ANM, J14K, C16K, C16K, G16K, H11N2, H11N1, H11N3, F17K, F17K, M16K, SONM, H17K, C18K, C18K, H11S1, H11S3, H11S2, G18K, F19K, D19K, D19K, B20K, B20K, G21K, G21K, ILAR, D25K, D25K, ZALV, A36M, MKAR, KURK, KURK, KURBB, KURBB, BVAR, BRVK, BRVK, YKA, CMAR, ARTI, ARCES, J05D, BELG, BELG, FINES, PDAR, NB2, HFS, AKBB, AKBB, KIEV, KIEV, SCHO, SCHO, EKA, CLL, CLL, BRTR, GERE.

BGR 19 07:48:54.8, 19.10S:175.62W, h33km
NOU 19 07:50:01.9, 18.10S:177.97W, h605km, mb4.4/17, Fiji Islands Region

NEIC 19 07:50:02.1e.1.5, 18.1S:0.1x178.1W:0.1, h602km, 7km, mb4.5/32, ERN ellipse: s-maj=18.4km s-min=13.7km az=124.0

IDC 19 07:50:03.7e.1.1, 18.07S:178.13W, h617km, 10km, mb3.0/20, mbmp4.0/22, ERN ellipse: s-maj=17.7km s-min=12.3km az=133.0

ISC 19 07:50:01.1e.0.4, 18.16S:0.08x177.98W:0.07, h590km, n126, s193/128, mb4.4/35, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LKBA, LKBA, DGTI, DGTI, MSVF, MSVF, MSVF, MSVF, FUTU, FUTU, NIUE, NIUE, NIUE, NIUE, DZM, DZM, DZM, DZM, RAR, RAR, OUZ, TOZ, TOZ, URZ, URZ, URZ, URZ, TATA, TATA, TATA, TATA, MSWZ, QHZ, QHZ, QHZ, JCZ, CNB, CTA, CTA, CAN, CAN, PMG, COEN, COEN, STKA, STKA, JAY, BBOO, BBOO, WBO, WBO, WRA, WRA, WRA, WRA, AS31, AS31, ASAR, ASAR, ASAR, KNRA, KNRA, SOEI, SOEI.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MAYO, CMAR, SONM, YKA, ZALV, MKAR, KURBB, BORVO, ARCES, FINES, AKASG, AKASG, EKA, BSEG, RUE, FLTG, FLTG, NRDG, BRTR, IBBN, OSTC, CLZ, CLL, STUB, STUB, DPC, BRG, KRLC, GTTG, NEUB, MAUC, MAUC, KASTN, PRU, MOX, TANN, NKC, NKC, ZVC, ROTZ, TNS, KHC, GEC2, GERE, GERE, CONA, RONA, BFO, SOKA, UBR, WATA, WATA, MOTA, MYKA, SQT, ABTA, FETA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H17K, C18K, C18K, H11S1, H11S3, H11S2, G18K, F19K, D19K, D19K, B20K, B20K, G21K, G21K, ILAR, D25K, D25K, ZALV, A36M, MKAR, KURK, KURK, KURBB, KURBB, BVAR, BRVK, BRVK, YKA, CMAR, ARTI, ARCES, J05D, BELG, BELG, FINES, PDAR, NB2, HFS, AKBB, AKBB, KIEV, KIEV, SCHO, SCHO, EKA, CLL, CLL, BRTR, GERE.

Table with columns: TXAR, Lajitas Array, 77.49 0 P, 08 02 15.0 -1.3

NNC 19 07:51:28.0 0.8, 50.02N, 78.97E, h0km, mb3.0, mpv2.7, Error ellipse: s-maj=16.0km s-min=3.8km az=66.0, Suspected Mining explosion.

ISC 19 07:51:29.6 1.1, 50.04N, 78.70E, h0km, mbmp2.7/2, ML2.2/2, Error ellipse: s-maj=15.5km s-min=6.6km az=68.0

ISC 19 07:51:29.3 1.0, 50.02N, 78.72E, 0.08, h0km, n18, a1503/29, 16C-9D, Eastern Kazakhstan

Main table for 1107 section, listing station names, coordinates, and various parameters like Time, Res, ISC, etc.

IDC 19 07:56:11.2 2.9, 6.05S, 147.24E, h86km, 27km, mb3.5/3, mbtmp3.9/6, Error ellipse: s-maj=36.7km s-min=20.4km az=80.0

ISC 19 07:56:11.6 1.4, 6.05S, 147.3E, 0.2, h100km, n7, a1546/8, mb3.5/3, Eastern New Guinea region

Table for IDC and ISC events in 1107 section, listing station names and parameters.

IDC 19 08:17:49.8 4.1, 33.95N, 81.16E, h0km, mb3.3/4, mbtmp3.3/6, ML2.7/2, Error ellipse: s-maj=125.0km s-min=56.5km az=70.0, Xizang

Table for IDC event in 1107 section, listing station names and parameters.

IDC 19 08:25:37.7 2.5, 1.65N, 122.51E, h0km, mb3.4/3, mbtmp3.4/3, Error ellipse: s-maj=332.4km s-min=28.4km az=70.0, Minahassa Peninsula, Sulawesi

Table for IDC event in 1107 section, listing station names and parameters.

IDC 19 08:32:41.8 1.5, 3.16S, 146.45E, h0km, mb3.9/8, mbtmp3.9/9, ML1.8/1, MS3.4/6, Error ellipse: s-maj=46.1km s-min=20.7km az=101.0

ISC 19 08:32:44.0 1.2, 3.1S, 0.1, 146.4E, 0.3, h10km, n13, a1518/8, mb4.1/7, MS3.4/4, Bismarck Sea

Table for ISC event in 1107 section, listing station names and parameters.

Table for 1108 section, listing station names like CTA Charters Tower, WRA Warramunga Arr, etc.

IDC 19 08:42:34.9 1.9, 10.68S, 166.45E, h0km, mb3.8/7, mbtmp3.8/7, MS3.6/12, Error ellipse: s-maj=83.6km s-min=23.9km az=141.0

ISC 19 08:42:51.6 1.8, 11.1S, 0.4, 166.4E, 0.3, h146km, n16, a0827/7, mb3.6/7, Santa Cruz Islands

Main table for 1108 section, listing station names, coordinates, and various parameters.

NDI 19 08:58:05.1 3.7, 26.27N, 93.25E, h6km, 9km, ML3.5, MW3.6, Northeastern India

Table for NDI event in 1108 section, listing station names and parameters.

IDC 19 08:57:37.9 0.7, 54.93N, 164.37E, h0km, mb3.9/20, mbtmp3.9/22, ML3.4/2, MS3.4/5, Error ellipse: s-maj=20.8km s-min=13.7km az=155.0

NEIC 19 08:57:38.9 1.1, 54.8N, 0.1, 164.2E, 0.2, h10km, 2km, mb4.1/64, Error ellipse: s-maj=26.3km s-min=12.9km az=156.0

KRSC 19 09:07:39.1 1.1, 54.87N, 164.38E, h61km, 21km, ML4.2, MOS 19 09:07:42.4 1.2, 54.81N, 164.30E, h51km, mb4.2/2, Error ellipse: s-maj=17.1km s-min=11.0km az=54.5

ISC 19 09:07:41.6 1.0, 54.86N, 0.04, 164.37E, 0.04, h27km, n139, a1509/137, mb4.1/50, MS3.6/4, Komandorsky Islands region

Main table for 1109 section, listing station names, coordinates, and various parameters.

NEIC 19 09:04:15.2 2.0, 3.0S, 0.1, 146.3E, 0.2, h10km, 2km, mb4.0/10, Error ellipse: s-maj=35.6km s-min=10.9km az=296.0

IDC 19 09:04:16.2 1.3, 3.17S, 145.97E, h0km, mb3.9/5, mbtmp4.0/7, ML2.9/2, MS3.0/3, Error ellipse: s-maj=52.5km s-min=21.4km az=96.0

ISC 19 09:04:17.6 1.2, 3.2S, 0.1, 146.1E, 0.2, h10km, n21, a0969/18, mb3.8/7, Bismarck Sea

Main table for 1109 section, listing station names, coordinates, and various parameters.

KRSC 19 09:04:53.1 0.9, 55.38N, 164.29E, h48km, 24km, ML3.5, Komandorsky Islands region

Table for KRSC event in 1109 section, listing station names and parameters.

IDC 19 09:07:37.9 0.7, 54.93N, 164.37E, h0km, mb3.9/20, mbtmp3.9/22, ML3.4/2, MS3.4/5, Error ellipse: s-maj=20.8km s-min=13.7km az=155.0

NEIC 19 09:07:38.9 1.1, 54.8N, 0.1, 164.2E, 0.2, h10km, 2km, mb4.1/64, Error ellipse: s-maj=26.3km s-min=12.9km az=156.0

KRSC 19 09:07:39.1 1.1, 54.87N, 164.38E, h61km, 21km, ML4.2, MOS 19 09:07:42.4 1.2, 54.81N, 164.30E, h51km, mb4.2/2, Error ellipse: s-maj=17.1km s-min=11.0km az=54.5

ISC 19 09:07:41.6 1.0, 54.86N, 0.04, 164.37E, 0.04, h27km, n139, a1509/137, mb4.1/50, MS3.6/4, Komandorsky Islands region

Main table for 1109 section, listing station names, coordinates, and various parameters.

19d 9h

2019 JAN

1108

ADK	Adak	11.70	97	PN	Pn	09 10 27.6 +1.1
M1K	Mekoryuk	16.61	59	Pn	Pn	09 11 32.2 +0.1
M1K				Iamb	Iamb	09 12 01.0
ASAJ	Asahikawa	17.69	242	P	Pn	09 11 46.0 +0.2
M13K	Dali Lake	18.02	59	P	P	09 11 50.5 +0.5
J14K	Nanvaranank Lak	18.22	51	P	Pn	09 11 52.6 +0.5
F15K	North Star Dit	18.59	42	P	P	09 11 54.9 +1.2
ERM	Ermo	18.96	236	P	P	09 11 58.0 -2.5
ERM	Ermo	18.96	236	P	P	09 11 58.0 -2.5
K15K	Wolf Creek Mou	19.07	53	P	P	09 12 02.2 +0.6
K15K				Iamb	Iamb	09 12 24.3
C16K	Lisburne Hills	19.41	34	P	P	09 12 05.9 +0.7
J16K	Anvik River	19.64	51	P	Pn	09 12 09.1 -0.2
L16K	Owhat River	19.98	55	P	P	09 12 12.8 +1.2
F17K	Baldwin Pennin	20.13	41	P	P	09 12 13.6 +0.5
M16K	Timber Creek	20.20	57	P	Pn	09 12 15.6 -0.4
M16K				Iamb	Iamb	09 12 31.6
H17K	Granite Mounta	20.25	46	P	P	09 12 15.7 +1.2
J17K	VABM Dome	20.34	50	P	P	09 12 16.0 +0.7
K17K				Iamb	Iamb	09 12 24.2
K17K	Iditarod	20.61	53	P	P	09 12 19.8 +1.5
E18K	Tukpahleark C	20.70	39	P	P	09 12 19.5 +0.3
H18K	Homhosse River	20.94	46	P	P	09 12 23.2 +1.3
C18K	Utukok River	20.95	35	P	P	09 12 22.6 +0.5
J18K	Innok River	21.40	51	P	P	09 12 27.4 +0.6
J18K				Iamb	Iamb	09 12 38.4
TTA	Tatalina	21.68	52	P	P	09 12 30.7 +0.8
TTA	Tatalina	21.68	52	P	P	09 12 30.7 +0.8
H19K	Roundabout Mou	21.80	45	P	P	09 12 32.5 +1.3
H19K				Iamb	Iamb	09 12 44.8
J19K	Poorman	21.94	49	P	P	09 12 32.8 +0.2
J19K				Iamb	Iamb	09 12 44.9
F20K	Avarart Lake	22.41	41	P	P	09 12 37.5 -0.1
K20K	Felida	22.58	51	P	P	09 12 39.5 0.0
J20K	Nowinta River	22.60	49	P	P	09 12 39.9 +0.2
J20K				Iamb	Iamb	09 12 51.7
B20K	Meads River	22.80	34	P	P	09 12 41.6 -0.1
M20K	Styx River	23.00	55	P	P	09 12 43.2 -0.8
M20K				Iamb	Iamb	09 12 55.5
H21K	Melozitna Rive	23.32	45	P	P	09 12 47.6 +0.5
H21K				Iamb	Iamb	09 12 54.9
CAST	Castle Rocks	23.47	51	P	P	09 12 49.5 +0.8
STLK	Strandline Lak	23.64	56	P	P	09 12 51.5 +1.3
KDAD	Kodiak Island	23.75	65	P	P	09 12 51.1 -0.2
KDAD	Kodiak Island	23.75	65	P	P	09 12 51.1 -0.2
BPAW	Bear Paw Mtn.	23.98	49	P	P	09 12 40.0 +0.6
BPAW				Iamb	Iamb	09 12 57.6
KTH	Kantishna Hill	24.00	51	P	P	09 12 53.7 0.0
CNFM	China Pool	24.14	61	P	P	09 12 54.7 -0.3
SUA	Susitna	24.15	56	P	P	09 12 54.0 +0.1
BRLK	Bradley Lake	24.28	60	P	P	09 12 55.3 -0.9
D23K	Nanushuk River	24.68	38	P	P	09 12 59.3 -0.5
D23K				Iamb	Iamb	09 13 34.5
I23K	Minto Yukon-K	24.71	47	P	P	09 13 00.4 +0.3
C23K	Ikilik River	24.90	36	P	P	09 13 01.8 +0.1
C23K				Iamb	Iamb	09 13 38.4
E23K	Chandalar	24.90	40	P	P	09 13 02.3 +0.4
E23K				Iamb	Iamb	09 13 02.9
GHO	Glory Hole Cre	25.00	55	P	P	09 13 03.5 +0.6
GHO				Iamb	Iamb	09 13 46.5
TOLK	Toolik Lake Re	25.02	39	P	P	09 13 02.7 -0.2
TOLK				Iamb	Iamb	09 13 27.8
WRH	Wood River Hil	25.25	49	P	P	09 13 05.7 +0.8
WRH				Iamb	Iamb	09 13 06.3
KNK	Knik Glacier	25.26	56	P	P	09 13 05.0 -0.1
SML	Sawmill	25.27	55	P	P	09 13 05.6 +0.3
E24K	Your Creek	25.32	40	P	P	09 13 06.3 +0.6
E24K				Iamb	Iamb	09 13 10.7
H24K	Noodor Dome	25.36	45	P	P	09 13 06.4 +0.3
H24K				Iamb	Iamb	09 13 21.5
CCB	Clear Creek Bu	25.37	48	P	P	09 13 06.3 +0.3
D24K	Happy Valley	25.37	38	P	P	09 13 06.3 +0.3
D24K				Iamb	Iamb	09 13 07.9
F24K	Squaw Lake	25.48	41	P	P	09 13 06.9 -0.2
G24K	Hadweencik Riv	25.57	43	P	P	09 13 08.6 +0.7
G24K				Iamb	Iamb	09 13 19.1
MJAR	Matsushiro Arr	25.63	235	P	P	09 13 09.3 +0.6
HDA	Harding Lake	25.74	49	P	P	09 13 10.9
IL31		25.76	48	P	P	09 13 09.3 -0.3
IL31				Iamb	Iamb	09 13 20.3
ILAR	Eielson Array	25.76	48	P	P	09 13 08.8 -0.8
D25K	Kavik River	26.26	37	P	P	09 13 13.7 -0.5
D25K				Iamb	Iamb	09 13 14.9
E25K	Arctic Village	26.42	40	P	P	09 13 16.9
D27M	Malcolm River	28.17	38	P	P	09 13 39.6
M29M	Somme Creek	29.76	52	P	P	09 13 47.5
INK	Inuvik	30.90	40	P	P	09 13 56.0 +0.6
INK				Iamb	Iamb	09 14 16.4
INK				P	P	09 13 56.0 +0.6
INK				Pmax	Pmax	
H31M	Peel River	30.92	45	P	P	09 13 55.9 +0.3
H31M				Iamb	Iamb	09 14 29.4
F31M	Tsigheitchic	30.92	41	P	P	09 13 56.0 +0.4
F31M				Iamb	Iamb	09 14 33.2
P33M	Teslin, Yukon	32.98	55	P	P	09 14 14.7 +0.8
C36M	Paulatuk	34.13	37	P	P	09 14 23.9 +0.3
DLBC	Dease Lake	34.96	57	T	T	09 14 32.3 +1.3
H11N2	WAKE ISLAND Hy	35.13	176	T	T	09 53 18.6
H11N3	WAKE ISLAND Hy	35.14	176	T	T	09 53 14.8
H11N1	WAKE ISLAND Hy	35.15	176	T	T	09 53 17.2
SONM	Songio Array	35.95	283	P	P	09 14 41.1 +1.3
SONM				PcP	PcP	09 17 05.8 -0.2
H11S1	WAKE ISLAND Hy	36.33	176	T	T	09 54 49.2
H11S3	WAKE ISLAND Hy	36.35	176	T	T	09 54 44.7
H11S2	WAKE ISLAND Hy	36.35	176	T	T	09 54 47.0
HHC	Hu-ho-hao-te	37.18	270	eP	Pmax	09 14 46.3 -3.9
HHC				Pmax	Pmax	
HHC				Pmax	Pmax	
YKA	Yellowknife Ar	40.13	45	P	P	09 15 15.2 +0.6

YKA	comp=Z,0.4nm,0.4s,baz=296,slow=8.5,SNR=19	PcP	P	09 17 17.6 -0.8		
GTA	comp=Z,0.2nm,0.7s,baz=262,slow=3.6,SNR=3.5	eP	P	09 15 56.0 +2.2		
GTA	Gaotai	44.90	278	eP	P	09 16 01.3 +0.9
GTA				Pmax	Pmax	
WMQ	comp=Z,3.0nm,0.8s	eP	P	09 16 00.7 +0.5		
WMQ	Spitsbergen Ar	45.79	351	P	P	09 16 00.7 +0.5
WMQ				Pmax	Pmax	
WMQ	comp=Z,0.4nm,0.4s	eP	P	09 16 21.9 -1.8		
WMQ	Urumqi	48.74	290	eP	P	09 16 27.8 -2.5
WMQ				Pmax	Pmax	
KURK	comp=Z,1.6nm,0.7s	eP	P	09 16 25.7 +0.8		
KURK	Kurchatov	48.92	303	P	P	09 16 25.7 +0.8
KURB	Kurchatov Ar	49.03	303	P	P	09 16 25.6 0.0
MKAR	comp=Z,1.1nm,0.6s	eP	P	09 16 30.4 -0.1		
MKAR	Makanchi Array	49.64	297	P	P	09 16 30.4 -0.1
MKAR				Pmax	Pmax	
BVAR	comp=Z,0.5nm,0.6s	eP	P	09 16 43.0 +0.6		
BVAR	Borovoye Array	51.24	309	P	P	09 16 43.0 +0.6
BVAR				Pmax	Pmax	
BVAR	comp=Z,0.8nm,0.8s	eP	P	09 16 43.0 +0.6		
BVAR	Borovoye Array	51.24	309	P	P	09 16 43.0 +0.6
BVAR				Pmax	Pmax	
BVAR	comp=Z,0.4nm,0.7s	eP	P	09 16 54.1 -0.3		
BVAR	Mina Array Bea	52.79	74	P	P	09 16 54.1 -0.3
BVAR				Pmax	Pmax	
ARTI	Arti	53.87	319	LR	LR	09 44 26.3
PDAR	comp=Z,4.8nm,18.5s,baz=186,slow=41	eP	P	09 17 07.5 +0.8		
PDAR	Pineda Array	54.46	65	P	P	09 17 07.5 +0.8
PDAR				Pmax	Pmax	
FINES	comp=Z,0.2nm,0.3s	eP	P	09 17 40.2 -1.2		
FINES	FINES Array B	59.46	338	P	P	09 17 40.2 -1.2
FINES				Pmax	Pmax	
BORG	comp=Z,0.2nm,0.6s,baz=28,slow=8.6,SNR=8.9	eP	P	09 17 40.2 -1.2		
BORG	Borgarnes	60.64	3 LR	LR	LR	09 44 24.2
CMAR	comp=Z,55nm,18.7s,baz=172,slow=36	eP	P	09 17 53.0 +0.5		
CMAR	Chiang Mai Arr	60.99	261	P	P	09 17 53.0 +0.5
CMAR				Pmax	Pmax	
NB2	comp=Z,1.1nm,0.5s,baz=315,slow=7.6,SNR=2.9	eP	P	09 18 02.6 +0.5		
NB2	NORSAR Subarra	62.50	346	P	P	09 18 02.6 +0.5
NB2				Pmax	Pmax	
NOA	comp=Z,0.7nm,0.5s,baz=16,slow=6.0,SNR=4.5	eP	P	09 18 02.3 +0.2		
NOA	NORSAR Array B	62.50	346	P	P	09 18 02.3 +0.2
NOA				Pmax	Pmax	
HFS	comp=Z,0.7nm,0.5s	eP	P	09 18 05.3 0.0		
HFS	Hagfors	62.99	344	P	P	09 18 05.3 0.0
HFS				Pmax	Pmax	
TXAR	comp=Z,2.4nm,0.9s,baz=7,slow=5.1,SNR=7.9	eP	P	09 18 37.2 +1.2		
TXAR	Lajitas Array	67.64	71	P	P	09 18 37.2 +1.2
TXAR				Pmax	Pmax	
AKASG	comp=Z,1.5nm,0.6s,baz=303,slow=5.5,SNR=9.8	eP	P	09 18 39.9 -0.1		
AKASG	Malin Array Be	68.34	331	P	P	09 18 39.9 -0.1
AKASG				Pmax	Pmax	
KBZ	comp=Z,0.7nm,0.5s	eP	P	09 19 13.1 +0.3		
KBZ	Khabaz	69.93	319	LR	LR	09 51 23.0
KBZ				Pmax	Pmax	
BRTR	comp=Z,2.1nm,19.1s,baz=282,slow=39	eP	P	09 19 31.0 +0.3		
BRTR	Keskin Array B	76.79	323	P	P	09 19 31.0 +0.3
BRTR				Pmax	Pmax	
BRTR	comp=Z,0.7nm,0.8s	eP	P	09 19 42.2 +0.4		
BRTR	Warramunga Arr	76.79	323	P	P	09 19 42.2 +0.4
BRTR				Pmax	Pmax	
BRTR	comp=Z,0.9nm,1.0s,baz=15,slow=5.9,SNR=3.8	eP	P	10 03 39.4		
BRTR	Warramunga Arr	78.20	309	P	P	10 03 39.4
BRTR				Pmax	Pmax	
ASF	comp=Z,0.9nm,1.0s	eP	P	09 20 01.9 +0.7		
ASF	Jabal Asfar	82.29	317	LR	LR	09

19d 11h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like BRRB, BRBA, SPA0, SPAA, SPAB, etc.

19d 10:51:42.0 0.7, 6.44N, 125.96E, h137km, 5km, mb3.5/8, mbmp3.9/8, MS3.4/1, Error ellipse: s-maj=47.4km s-min=13.6km az=74.0

NEIC 19 10:51:42.0 1.6, 6.34N, 0.06x125.95E, 0.07, h124km, 8km, mb4.2/18, Error ellipse: s-maj=13.0km s-min=1.8km az=131.0

ISC 19 10:51:42.7 0.6, 6.42N, 0.06x125.9E, 0.1, h150km, n37, r136/37, mb4.0/15, Mindanao

Main table for 19d 11h section, listing station codes, names, coordinates, and seismic data.

2019 JAN

Main table for 2019 JAN section, listing station codes, names, coordinates, and seismic data.

1110

Main table for 1110 section, listing station codes, names, coordinates, and seismic data.

19d 12h

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like ZAAO, ZALV, KURBB, KURK, BVAR, etc.

HLW 19 11:45:50.6, 34.25N, 25.82E, h25km, 25km, Md3.6, MI3.7
ISK 19 11:45:53.7, 34.02N, 26.01E, h89km, ML2.3/6
AFAD 19 11:46:02.6, 34.38N, 26.72E, h8km, 4km, ML2.4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like ZKR, ZKIR, IDI, GVD, etc.

IDC 19 11:52:57.0, 2.3, 2.22N, 126.39E, h0km, mb3.1/3,
mbtmp3.1/3, Error ellipse: s-maj=186.3km
s-min=28.5km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

IDC 19 12:08:27.9, 0.6, 22.56N, 144.15E, h0km, mb4.0/17,
mbtmp4.0/19, ML3.4/2, MS3.2/7, Error ellipse:
s-maj=23.1km s-min=13.6km az=73.0

NEIC 19 12:08:28.1, 0.8, 22.88N, 0.2, 144.9E, 0.2, h10km, 2km,
mb4.4/11, Error ellipse: s-maj=40.8km s-min=11.2km
az=228.0

ISC 19 12:08:29.4, 0.6, 22.72N, 0.008, 144.3E, 0.1, h10km, n46,
e154/39, mb4.2/20, MS3.2/5, Volcanic Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like JCJ, MJAR, JOW, JMM, etc.

2019 JAN

Main table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like USRK, KLR, SONM, WRA, ASAR, etc.

1112

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like KOTS, KOTR, SATY, AAK, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other parameters. Includes stations like VLS Valsamata, CLEM Kyllini, DMLN Damoulianata-K, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other parameters. Includes stations like THL comp=E,364um,1.0s, VILLA comp=N,291um,0.7s, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other parameters. Includes stations like EEO8 Sarghaua, Vand, ARBE Arbavere, etc.

EKA Eska... 88.41 332 P P 13 27 52.1 -1.5

TEH 19 13:40:15.9, 31.62N, 50.86E, h0km, m4.6km
IDC 19 13:40:17.9, 31.70N, 50.70E, h0km, m3.5/3,
mbtmp 3.4/4, ML2.9/1, Error ellipse: s-maj=138.0km
s-min=51.2km az=108.0

ISC 19 13:40:18.6, 1.0, 31.64N, 0.06, 50.92E, 0.07, h19km, n10,
r=1544/11, mb3.4/3, Northern and central Iran

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like IBRJ Brojen, ZNGN Zangian, etc.

AKASA Hatin Array Be 24.93 326 P P 13 45 41.3 +0.8

HFS Hagfors 37.65 330 P P 13 47 32.8 +0.7

TORD Torodi Ar. Bea 48.65 259 P P 13 49 02.6 +0.9

AFAD 19 13:47:21.0, 36.64N, 36.43E, h10km, ML3.2

ISC 19 13:47:21.9, 0.9, 36.64N, 0.02, 36.44E, 0.02, h8km, 7km,
n58, r0581/82, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like HASA Hatay-Hassa-Ha, TAHT Tahtakopru-Hat, etc.

AKO Adana 1.14 316 P P 13 47 42.6 -1.2

AKO Karaisali 1.27 300 Pn Pn 13 47 57.3 -1.4

AKO Mersin 1.35 284 P P 13 47 46.0 -0.4

SAIM ADANA 1.37 348 P Pn 13 47 46.7 -0.7

SAIM 1.38 10.0 AML 13 48 11.0

GULE Gulek 1.48 296 P Pn 13 47 49.5 +0.5

GULE 1.38 08.0 -0.6 AML 13 48 16.0

AKCA Adyaman 1.53 40 P P 13 47 50.4 -0.1

AKCA 1.38 10.4 -0.7 AML 13 48 14.0

AKCA 1.38 15.0 AML 13 48 15.0

CMRD Camardi-Nigde 1.54 312 Pn Pn 13 47 50.9 +0.1

MERS Mersin 1.55 279 Pn Pn 13 47 50.3 +0.4

YAHY KAYSERI Yahyalı 1.63 330 P P 13 47 51.7 -0.1

SURC SURC 1.77 81 P P 13 47 54.6 +0.0

SURC 1.38 16.0 -0.0 AML 13 48 20.0

SURC 1.38 21.0 AML 13 48 21.0

SARI Sardiz-Kayseri 1.77 360 Pn Pn 13 47 54.9 +0.2

ELBS KAHRAMANMARAS 1.77 18 P S P 13 47 56.0 +0.1

ELBS 1.38 17.9 +0.6 P 13 48 00.0

KIZK Mersin 1.85 266 Pn Pn 13 47 54.5 +0.5

KIZK Mersin 1.85 266 Pn Pn 13 47 54.1 +0.2

AZEY Adyaman-Merk 1.86 50 P S P 13 47 57.5 -0.1

AZEY 1.38 18.7 -1.0 P 13 48 00.0

NIDE Nigde/Merkez-G 1.90 316 P Pn 13 47 56.2 +1.4

KERG Konya-Eregli 2.01 293 P Pn 13 47 57.6 +1.4

mb5.0/149, Error ellipse: s-maj=13.0km s-min=8.7km
az=222.0

IDC 19 14:02:02.8, 1.6, 2.27N, 126.65E, h62km, 13km, mb4.4/3/2,
mbtmp 4.7/36, MS3.4/19, Error ellipse: s-maj=15.1km
s-min=7.1km az=75.0

DJA 19 14:03:03.1, 0.3, 2.2N, 3.12E, h42km, 7km, M4.8/28,
mb5.0/28, mb5.2/13, ML4.9/19, Mw(mB)4.6/13
ISC 19 14:02:02.8, 0.4, 2.30N, 126.68E, 0.05, h61km, 3km,
h161km, Pp, n400, r152/369, mb4.9/160, 16C-4D

Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, etc.

AAI Ambon 6.14 166 P Pn 14 04 32.6 +1.6

KDI Kendari 7.42 213 P Pn 14 04 46.1 +1.1

PCI Palu 7.54 245 P Pn 14 04 52.7 +2.5

FAKI Fak Fak 7.61 133 Pn Pn 14 04 51.3 +0.2

FAKI Fak Fak 7.61 133 Pn Pn 14 04 51.1 0.0

MYLDM Lahad Datu 8.64 290 Pn Pn 14 05 08.8 +0.6

MYLDM Lahad Datu 8.64 290 Pn Pn 14 05 08.7 +0.4

TTSI Tana Toraja 8.67 232 P Pn 14 05 06.8 +1.2

BBSI Bau Bau 8.76 208 P Pn 14 05 08.9 +2.1

SPSI Sidrap Palu 9.29 228 P Pn 14 05 15.0 +0.8

KAPI Kappang 10.03 224 P Pn 14 05 24.0 -0.3

KAPI Kappang 10.03 224 P S 14 07 12.9 -2.4

BAKI Biak 10.05 110 P Pn 14 05 30.2 +5.9

BAKI Biak 10.05 110 P Pn 14 05 27.4 +2.9

BBSI Bau Bau, Buton 10.42 216 P Pn 14 05 32.2 +2.7

KKM Kota Kinabalu 11.07 290 Pn Pn 14 05 41.5 +2.9

KKM Kota Kinabalu 11.07 290 Pn Pn 14 05 42.9 +3.3

SOEI Soe 12.22 191 Pn Pn 14 05 56.4 +2.2

SOEI Soe 12.22 191 Pn Pn 14 05 57.5 +3.3

SOEI Soe 12.22 191 Pn Pn 14 05 57.7 +3.5

BATI Baunata 12.78 194 P Pn 14 06 01.4 -0.5

BATI Baunata 12.78 194 P Pn 14 06 05.9 +4.0

TGY Tagaytay City 13.02 334 P Pn 14 06 05.4 +0.2

WBSI Waikabubak, Su 13.91 211 P Pn 14 06 18.0 +0.9

PLAI Plampang 14.18 219 P P 14 06 24.4 -1.9

PLAI Plampang 14.18 219 P P 14 06 27.5 +1.2

GENI Genyem 14.34 110 P Pn 14 06 22.3 -0.4

SBUM Sibul 14.44 271 P Pn 14 06 23.4 -0.7

SBUM Sibul 14.44 271 P Pn 14 06 27.9 -1.4

TWSI Taliwang, Sumb 14.68 222 P P 14 06 32.2 +0.2

JAY Jayapura 14.82 109 P Pn 14 06 28.8 -0.3

DRS Darau Beak St 15.23 164 P Pn 14 06 37.1 +2.9

MTN Mantion Dam 15.68 164 P Pn 14 06 37.8 -2.5

MTN 14 06 48.2 Iamb Iamb 14 06 48.2

KMMI Kailiang 15.72 234 P P 14 06 44.3 +0.8

KDU Kakadu 15.96 159 P P 14 06 46.8 +0.6

KSM Kuching 16.38 267 P P 14 06 52.6 +1.8

JAGI Jajaj, Banyuwa 16.45 229 P P 14 06 55.2 +3.5

JAGI Jajaj, Banyuwa 16.45 229 P P 14 06 53.7 +2.1

QIZ comp=Z, 2.10nm, 10.4s LR LR

KNMB Chin-men Taw 23.44 341 P P 14 08 03.7 -3.2

PMG Port Moresby 23.49 120 P P 14 08 05.6 -1.8

MBWA Marble Bar 24.29 196 P P 14 08 13.8 -0.8

JOW Khigens 24.44 3 P Iamb Iamb 14 08 22.9

JOW Kunigami 24.44 3 P P 14 08 17.3 +1.4

UBPT Khong Chiam 24.57 303 P P 14 08 16.7 -0.5

QIS Mount Isa 26.02 151 P P 14 08 30.6 +0.2

ASAR Alice Springs 26.75 140 P P 14 08 38.4 +1.5

ASAR 26.75 140 P P 14 08 36.2 -0.8

ASAR comp=Z, 2.0nm, 0.5s, baz=344, slow=6.7, SNR=84 P P 14 11 59.7 +0.6

ASAR comp=Z, 2.0nm, 0.5s, baz=343, slow=2.6, SNR=3 P S 14 13 09.1 +0.4

ASAR comp=Z, 0.4nm, 0.7s, baz=327, slow=1.2, SNR=9 S S 14 20 48.0

ASO1 Alice Springs 26.76 165 P P 14 08 37.4 +0.3

WRKA Warakura 27.22 177 P P 14 08 41.8 +0.6

GIRL Giralia 27.61 205 P P 14 08 44.5 -0.1

PSI Prapat 27.73 272 LR LR 14 19 57.9

GSI Gunungsitoli 29.10 269 P P 14 08 56.4 -1.7

SLVN Son La 29.15 312 P P 14 08 59.5 +1.1

CTA Charters Tower 29.40 140 P P 14 09 01.6 +1.0

CTA comp=Z, 3.1nm, 0.3s, baz=28, slow=5.6, SNR=3.3 LR LR 14 23 46.0

MEEK Meekatharra 29.81 195 P P 14 09 04.8 +0.6

NJ2 Nanjing 30.50 347 eP Pmax 14 09 11.4 +1.3

PHRA Phrae 30.51 304 P P 14 09 10.4 0.0

JNU Nakatsue 30.91 7 P P 14 09 12.9 -1.0

CMAR Chiang Mai Arr 31.57 302 P P 14 09 19.4 -0.4

CMAR Chiang Mai Arr 31.57 302 P P 14 09 19.9 0.0

CMAR comp=Z, 1.1nm, 0.8s, baz=115, slow=6.7, SNR=89 LR LR 14 23 57.6

CMAR comp=Z, 5.5nm, 18.0s, baz=110, slow=4.0 P P 14 09 19.4 -0.4

CHTO Chiang Mai 31.73 303 P P 14 09 20.2 -1.0

CHTO Chiang Mai 31.73 303 P Pmax Pmax 14 09 20.2 -1.0

JMN Monobe 31.98 11 P P 14 09 22.8 -0.5

JMN 31.98 11 P Iamb Iamb 14 09 25.1

ENH Enshi 32.24 331 P P 14 09 25.4 -0.2

KMI Kunming 32.36 317 P P 14 09 27.1 +0.2

KMI 32.36 317 P Pmax Pmax 14 09 42.8 +5.7

KMI comp=Z, 20nm, 0.7s LR LR 14 09 25.4 -0.2

KMI comp=Z, 310nm, 7.1s LR LR 14 09 27.1 +0.2

KMI comp=Z, 190nm, 6.9s LR LR 14 09 27.1 +0.2

KMI comp=Z, 280nm, 9.5s LR LR 14 09 27.1 +0.2

INKA Innamika 32.80 157 P P 14 09 31.0 +0.6

MORW Morawa 32.82 197 P Iamb Iamb 14 09 30.0 -0.6

MORW comp=Z, 2.4nm, 1.3s P P 14 09 31.9 +1.3

FORT Forrest 32.92 178 P P 14 09 31.2 -0.2

FORT Forrest 32.92 178 P P 14 09 33.1 +1.6

CLP Cleve 33.35 151 P P 14 09 36.5 +1.2

KMBL Kambalda 33.79 138 P P 14 09 40.6 +1.5

PZH PanZhihua 33.94 317 P P 14 09 40.0 -0.6

MOS 19 14:02:57.8, 0.9, 2.28N, 126.56E, h34km, mb5.1/49, Error
ellipse: s-maj=13.5km s-min=5.6km az=112.9

BUI 19 14:02:58.5, 2.02N, 126.72E, h56km, mb5.1/14, mb4.9/6/1,
Ms4.5/6, Ms7.4/1/6

NEIC 19 14:03:01.6, 2.1, 2.31N, 0.08, 126.70E, 0.07, h48km, 6km,

QIZ QIZ 23.41 316 P S 14 08 07.4 +0.8

QIZ QIZ 23.41 316 P S 14 12 18.3 +2.9

QIZ comp=Z, 200nm, 8.6s LR LR 14 08 07.4 +0.8

ARM A Armadale 40.32 146 P P 14 10 35.1 +0.5

ARM A Armadale 40.32 146 P P 14 10 35.5 +0.9

ARM comp=Z, 2.2nm, 1.0s LR LR 14 10 35.1 +0.5

1117

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Tenmabayashi, Shilling, Shillong, etc.

2019 JAN

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like KPKKS Kokpek, ZHN Zhinshike, KDJ Kajisay, etc.

19d 14h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like J16K Anvik River, L16K Owhat River, J17K VABM Dome, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SPITS Spitsbergen Ar, QSPA South Pole Qui, FARO Faro, YUKON Yukon, AKAGS Malin Array Si, AKASG Malin Array Be, etc.

IDC 19 14:20:37.0.1.2.3.28.04N:104.74E, h0km, mb3.4/4, mbmp3.4/6, ML3.3/2, MS3.6/3, Error ellipse: s-maj=34.3km s-min=23.3km az=70.0

IDC 19 14:20:37.0.1.1.28.1N:101.104.8E:2, h35km, n9, o553/6, mb3.5/4, MS3.7/3, SICHUAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, SONM Songino Array, KRSR Korea Array, MKAR Makanchi Array, etc.

IDC 19 14:22:31.2.4.3.49.08S:127.42E, h0km, mb3.5/3, mbmp3.5/3, MS3.5/3, Error ellipse: s-maj=113.3km s-min=64.3km az=134.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, ASAR Alice Springs, etc.

IDC 19 14:27:09.8.1.0.7.26N:92.38E, h0km, mb4.0/8, mbmp4.0/11, ML4.0/3, Error ellipse: s-maj=37.5km s-min=15.9km az=58.0

IDC 19 14:27:12.9.0.8.7.22N:01.92.4E:0.1, h23km, n20, o548/15, mb4.0/8, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSI Prapat, PALK Pallekele, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, H08S3 Diego Garcia H, H08S2 Diego Garcia H, etc.

PGC 19 14:28:10.5:27.0.51.36N:130.85W, h33km, 6km, ML3.7/20, ML3.7/20, 207km Wsw of Bella Bella, Bc Haida Gwaii Region

IDC 19 14:28:10.3.1.3.51.38N:130.43W, h0km, mb3.4/2, mbmp3.3/10, ML3.0/7, MS3.2/5, Error ellipse: s-maj=16.0km s-min=10.3km az=63.0

IDC 19 14:28:10.1.2.0.51.32N:107.130.87W:0.06, h27km, n17km, n59, o135/55, MS3.0/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BAIB Barry Inlet, BNB Barry Inlet, BBA Bella Bella, etc.

IDC 19 14:28:10.1.2.0.51.32N:107.130.87W:0.06, h27km, n17km, n59, o135/55, MS3.0/3, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WHY Whitehorse, YBH Yreka Blue Hor, YDKA Kodiak Island, etc.

0.3nm, 0.7s

IDC 19 14:41:58.1.1.2.49.76N:19.04E, h0km, mbmp3.6/4, ML2.6/4, Error ellipse: s-maj=23.2km s-min=7.9km az=153.0

VIE 19 14:42:00.8.0.3.50.25N:18.58E, h0km, mb2.5/3, ml2.4/3, Error ellipse: s-maj=3.2km s-min=2.3km az=154.0, Suspected Mining induced.

IPEC 19 14:42:01.1.0.50.22N:18.60E, h1km, ML2.4/4, Error ellipse: s-maj=2.1km s-min=1.1km az=165.0

PRU 19 14:42:02.1.50.20N:18.59E, h0km, ISC 19 14:41:60.0.0.7.50.22N:0.03:18.62E:0.02, h0km, n39, o1501/66, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAC Raciborz, OKC Ostrava-Krasne, STEB Steborice, etc.

NEIC 19 14:52.2.4.2.4.31.80S:0.03:69.38W:0.09, h132km, 8km, mb4.5/10, Error ellipse: s-maj=11.5km s-min=3.8km az=72.0

SJA 19 14:52:22.7.1.31.78S:69.35W, h117km, 5km, ML3.9, MV3.9

IDC 19 14:52:22.7.0.8.31.79S:69.35W, h100km, 7km, mb3.7/6, mbmp3.9/10, MS2.8/2, Error ellipse: s-maj=25.4km s-min=17.4km az=93.0

ISC 19 14:52:22.4.0.5.31.78S:0.03:69.42W:0.04, h109km, 4km, n90, o295/112, mb4.1/11, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RTLS Leoncito, ZON Zonda, SJA San Juan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TROD, ASGATA, ALFC, LEFKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MDBI, MSBI, MSBI, LISJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARXS, KOTS, MDOK, MTBS, etc.

GCMT 19 15:51:49.0±0.4, 55:78S±0.03, 2:16W±0.04, h35km±1km, MW5.0/79.5D, Moment Tensor Solution. s20,c20, s7c,c93; Duration: 0 Moment tensor; Scale 1016Nm; Mw=0.08±0.25; Mww=0.67±0.20; Mw0.75±1.7; Mw0.49±1.7; Mks3.62±15; Mwr=0.08±16; Best double couple; M0:3.72400x1016 NP1:0.355.00000°,883.00000°,λ-178.00000° NP2:0.264.00000°,888.00000°,λ-7.00000°. Principal axes: T 3.7480, P1g4.0000°, Azm3.01.0000°; N -0.0500, P1g82.0000°, Azm68.0000°; P -3.6990, P1g7.0000°, Azm219.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function Southern Mid-Atlantic Ridge

IDC 19 15:52:57.7±1.4, 6:00N±126.13E, h74km±12km, mb3.4/10, mbtmp3.8/11 Error ellipse: s-maj=43.4km s-min=11.8km az=75.0

NEIC 19 15:52:57.6±2.9, 6:03N±126.2E±0.1, h88km±9km, mb4.5/17, Error ellipse: s-maj=17.5km s-min=10.4km az=71.0

ISC 19 15:52:58.7±0.5, 6:02N±126.05E±0.09, h100km±n38, az216/41, mb4.2/18, Mindaon

IDC 19 15:24:10.7±1.4, 3:31S±146.27E, h0km, mb3.8/6, mbtmp3.8/7 ML 1.5/1, MS3.6/6, Error ellipse: s-maj=48.0km az=22.0km

ISC 19 15:24:13.7±1.2, 3:45S±146.3E±0.3, h20km±n13, az084/6, mb3.75, MS3.8/5, Bismarck Sea

IDC 19 15:39:52.2±0.2, 48:02N±82:07E, h0km NNC 19 15:39:55.2±5.5, 41:197N±82:38E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=50.3km s-min=23.6km az=172.0

ISC 19 15:39:57.6±2.5, 42:22N±82:25E±0.09, h13km±n12, az241/23, 6C-1D, Northern Xinjiang

IDC 19 15:39:52.2±0.2, 48:02N±82:07E, h0km NNC 19 15:39:55.2±5.5, 41:197N±82:38E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=50.3km s-min=23.6km az=172.0

ISC 19 15:39:57.6±2.5, 42:22N±82:25E±0.09, h13km±n12, az241/23, 6C-1D, Northern Xinjiang

IDC 19 15:39:52.2±0.2, 48:02N±82:07E, h0km NNC 19 15:39:55.2±5.5, 41:197N±82:38E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=50.3km s-min=23.6km az=172.0

ISC 19 15:39:57.6±2.5, 42:22N±82:25E±0.09, h13km±n12, az241/23, 6C-1D, Northern Xinjiang

IDC 19 15:56:50.6±3.6, 0.96S±28:24E, h0km, mb3.5/4, mbtmp3.5/5, ML3.2/1, MS3.4/1, Error ellipse:

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like UEES, BOQS, IGN, etc.

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like NHY, TAP, SHUL, etc.

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like TSCK, TSKC, MASBT, etc.

NIED 19 16:44:10.4, 24.40N; 121.92E, h20km, MW3.6, Moment Tensor Solution. s2 Moment tensor: Scale 10^14 Nm;

JAP 19 16:44:10.9, 24.59N; 121.89E, h12km, ML3.8, B TAP 19 16:44:10.4, 24.40N; 121.9E; 0.3, h20km, 0.3,

ASIES 19 16:44:10.9, 24.45N; 121.89E, h12km, ML3.8, Mw3.4, Moment Tensor Solution. Moment tensor: Scale 10^12 Nm;

ISC 19 16:44:10.2, 0.6, 24.43N; 0.01, 121.97E; 0.01, h11km, 6km, n158, c0671/267, 11C-31D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations from EWUT to NHY.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations from NHY to JISG.

IDC 19 16:45:34.4, 1.3, 37.74N; 20.92E, h0km, mb3.7/11, mb1mp3.6/19, ML3.7/5, MS3.2/8, Error ellipse:

ATH 19 16:45:35.2, 37.64N; 20.65E, h14km, 1km, ML3.9/22, Error ellipse: s-maj=1.9km s-min=0.7km az=41.0

BEO 19 16:45:39.7, 0.9, 37.85N; 20.62E, h12km, 7km, ML3.7/10 NAO 19 16:45:56.4, 39.67N; 20.58E, h10km, mb4.0

ISC 19 16:45:35.9, 0.9, 37.69N; 0.03, 20.66E; 0.03, h14km, 5km, n180, c1851/225, mb3.8/11, MS3.2/3, 5C-6D, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations from LTHK to KLV.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, ASAR Alice Springs, WRA Warrungarra Arr, etc.

IDC 19 17:02:00.3-4.3, 35.68N-69.16E, h0km, mb3.6/3, mbmp3.4/6, ML3.0/3, Error ellipse: s-maj=131.6km

NNC 19 17:02:05.7-2.7, 36.01N-68.46E, h123km, 65km, mb3.1, mp3.5, Error ellipse: s-maj=19.9km s-min=17.8km

ISC 19 17:02:01.7-1.6, 35.9N-0.1-68.3E-0.1, h30km, n10, o598/15, mb3.7/3.5, AZ-3D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include KK31 Karatay Array, AAK Ala-Archa, CHMS Chumysh, etc.

IPEC 19 17:06:36.5-0.2, 51.54N-16.15E, h1km, ML2.9/4, Error ellipse: s-maj=3.0km s-min=1.4km az=67.0

IDC 19 17:06:36.5-0.6, 51.49N-16.03E, h0km, mb3.5/3, mbmp3.4/10, ML3.0/6, Error ellipse: s-maj=10.7km

BGR 19 17:06:37.8-0.5, 51.53N-16.12E, h1km, ML3.1/8, Error ellipse: s-maj=7.8km s-min=3.3km az=14.0

DNK 19 17:06:38.2-1.5, 51.76N-16.35E, h0km, 93km

VIE 19 17:06:39.2-0.5, 51.35N-16.02E, h0km, mb2.9/19, m3.0/16, ms3.6/2, Error ellipse: s-maj=5.4km s-min=3.1km

PRU 19 17:06:39.7-1.5, 51.42N-16.10E, h0km

UPP 19 17:06:42.3-3.1, 51.90N-15.80E, h0km, ML2.2

ISC 19 17:06:34.5-0.5, 51.58N-0.02-16.14E-0.02, h0km, n100, o174/170, mb3.5/3, 9C-3D, Poland

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include KSP Ksiadz, CHVC Chvalec, OSTC Ostas, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include VRAC Vranov, VRAC Vranov, TREZ Trest, etc.

MOX Moxa, MANZ Manzenberg, ROTZ Rotzenmuhle, etc.

GERES GERES Array S, GERES GERES Array B, etc.

WETS Wetzels, LANS Liptovska Anna, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include LANS LANS, NIE Niedzica, VYHS Vyhne, etc.

ARSZ Arzberg, PSZ Piszkesteto, BLEU Blekinge, etc.

ARSZ Arzberg, PSZ Piszkesteto, BLEU Blekinge, etc.

KOLS Kolonicke sedl, KBA Koelnbreinspurr, etc.

SOKA Soboth, SOKA Soboth, etc.

DEL Delary, DEL Delary, etc.

OBKA Obir, OBKA Obir, etc.

WATA Waldersa, MYKA Terra Mystica, etc.

WTTA Wattenberg, WTTA Wattenberg, etc.

MOTA Moosalm, MOTA Moosalm, etc.

RETA Reutte, RETA Reutte, etc.

ABTA Abtaltersbach, ABTA Abtaltersbach, etc.

VSJU Vaankstein, VSJU Vaankstein, etc.

MORH Mrgy, Hungary, MORH Mrgy, Hungary, etc.

FABU Falkenberg, FABU Falkenberg, etc.

DAVA Damuels, DAVA Damuels, etc.

PABE Paberze, PABE Paberze, etc.

DAVOX Davos/Dischmat, DAVOX Davos/Dischmat, etc.

SIRR Siria, SIRR Siria, etc.

MARR Marisel-Cluj, MARR Marisel-Cluj, etc.

DRBR Darabani, DRBR Darabani, etc.

AKASG Akalin Array Be, AKASG Akalin Array Be, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include AKASG Akalin Array Be, AKASG Akalin Array Be, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include AKASG Akalin Array Be, AKASG Akalin Array Be, etc.

IDC 19 17:25:48.9-1.0, 59.99N-153.07W, h111km, 13km, mb3.8/16, mbmp4.2/20, MS2.4/1, Error ellipse: s-maj=16.0km s-min=9.9km az=112.0

NEIC 19 17:25:50.1-1.5, 59.96N-0.04-153.24W-0.07, h129km, 3km, Error ellipse: s-maj=5.3km s-min=4.9km az=147.0

AEIC 19 17:25:51.4-1.7, 59.96N-0.04-153.21W-0.07, h125km, 3km, ML3.6, mb4.1/6, NEIC, ML3.8/16, NEIC, Error ellipse: s-maj=5.3km s-min=4.7km az=141.0

ISC 19 17:25:50.5-0.5, 59.94N-0.03-153.17W-0.03, h130km, 4km, n344, o1904/386, mb4.2/20, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include ILSW Iliamna Southw, ILS Iliamna Low So, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like M30M Minto, Yukon, K29M Barlow Dome, F25K Christian River, etc.

KRSC 19 17:32:00.9.1.1, 55.02N, 164.82E, h54km, 21km, M3.9
IDC 19 17:32:01.1.1.8, 54.95N, 164.74E, h0km, mb3.2/3,
mbtm3.6/5, ML4.9/1, MS3.3/1, Error ellipse: s-maj=55.8km
s-min=22.4km az=168.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, KBY Krutoberegovo, etc.

H11N1 WAKE ISLAND Hy 35.30 177 T T 18 16 28.5
KURBB Kurchatov Arra 49.16 303 P P 17 40 49.2 +0.2
SFJD Kangerlussuaq 55.41 16 LR LR 18 07 06.0
TXAR Lajitas Array 67.33 71 P P 17 42 58.8 +2.6

IDC 19 17:38:15.2.1.4, 5.66N, 125.96E, h0km, mb3.4/4,
mbtm3.4/4, Error ellipse: s-maj=81.3km s-min=26.4km
az=75.0, Mindanao

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

SOME 19 17:41:18.4.1, 90N, 81.62E, h15km
NNC 19 17:41:18.5.2.2, 41.72N, 81.55E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=16.7km s-min=12.4km az=172.0
ISC 19 17:41:20.1.2.3, 41.85N, 0.10, 81.39E, 0.08, h10km, n30,
e201/43, 2C-5D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SHLS Shalkode, PDGK Pdgomoye, UZB Uzynbulak, etc.

NEIC 19 17:41:56.5.2.4, 37.33N, 0.05, 20.68E, 0.04, h10km, 1km,
mb4.4/19, Error ellipse: s-maj=9.6km s-min=4.2km
az=201.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like LTHK Lithakia, Kipseli, Zakin, Orthionies, Zaky, etc.

19d 18h

Table with columns for station name, coordinates, and various performance metrics. Includes stations like YAK, SEY, SHL, LSA, MOY, NIKH, LVA, BILL, WMQ, RTZ, BKZ, GAMB, TIXI, CNBA, CHNA, CHNA, M13K, K13K, N14K, MK31, MK31, CHGN, L14K, M14K, MAKZ, TNA, ZAAO, ZALV, ZALV, J14K, O15K, ANM, ANM, ANM, M15K, N15K, L15K, F14K, K15K, P16K, SHLS, SHLS, CHIR, CHIR, G15K, O16K, N16K, HYB, HYB, F15K, F15K, M16K, UZB, UZB, L16K, L16K, H16K, J16K, J16K, KPKS, KPKS, O17K, PRZ, PRZ, ZHN, ZHN, SATY, SATY, I17K.

2019 JAN

Table with columns for station name, coordinates, and various performance metrics. Includes stations like I17K, N17K, TDK, TDK, TDK, L17K, SII, SII, M17K, J17K, J17K, C17K, C17K, P18K, KDJ, N18K, G17K, H17K, H17K, H17K, O18K, L18K, MDOK, MDOK, F17K, D17K, KURK, KURK, M18K, E17K, KURBB, KURBB, RDOG, RDOG, C17K, J18K, KSH, KSH, KDAK, KDAK, N19K, H18K, H18K, TTA, TTA, F19K, G18K, G18K, G18K, L19K, Q20K, M19K, GCSA, TKM2, C18K, J19K, J19K, B18K, L20K, H19K, H19K, G19K, G19K, F19K, M20K, M20K, KBK, K20K, CHMS, SGDS, SGDS, J20K, J20K, AAK, AAK, AAK, AAK, USP, A19K, BRSE, J20K, D19K, D19K, NRIK, NRIK, NRIK, NRIK, AAK, AAK, I17K.

1130

Table with columns for station name, coordinates, and various performance metrics. Includes stations like NRIK, PPLA, SKT, SKT, SKT, F20K, F20K, F20K, B20K, B20K, EKSZ, AML, CAST, CAST, SUA, CHUM, NIL, NIL, E20K, D20K, SEW, M22K, RC01, H21K, ARSB, ARSB, ARSB, CUT, KTH, B20K, B20K, BPAW, BPAW, F21K, TRF, PMR, PMR, GHO, GHO, PWL, C21K, KNK, H22K, SML, SML, BWN, A21K, BRZS, BRZS, G22K, RND, MCK, M23K, NEA2, I23K, I23K, E22K, E22K, SCM, A22K, DZA, DZA, G23K, G23K, B22K, COLD, WRH, WRH, BTk, COLA, KLU, KLU, M24K, D23K, KKAR, KKAR, E23K, E23K, POKR, H24K, H24K, HDA, HDA, IL31, IL31, ILAR, ILAR, TOLK, TOLK.

TOLK	Toolik Lake Re baz=252	69.94	21	P	P	18 21 01.3 +1.1
IUG	Iuzhnay	70.04	310	eP	P	18 21 01.3 0.0
IUG	comp=Z,7.0nm,0.3s				pmax	
IUG	Iuzhnay	70.04	310	eP	P	18 21 01.3 0.0
PAX	Paxson baz=258,SNR=6.1	70.12	27	P	P	18 21 01.9 +0.5
BMRM	Bremner River baz=260	70.13	29	P	P	18 21 02.1 +0.7
HARP	HAARP baz=258,SNR=7.9	70.14	28	P	P	18 21 02.1 +0.7
K24K	Donnelly Dome baz=258,SNR=6.6	70.16	26	P	P	18 21 02.0 +0.5
G24K	Hadweenciv Riv baz=255	70.16	23	P	P	18 21 02.0 +1.5
E24K	Your Creek E24K	70.16	22	P	I Amb	18 21 01.9 +0.4 18 21 04.4
E24K	comp=Z,7.4nm,0.7s					
E24K	Your Creek baz=253	70.16	22	P	P	18 21 02.5 +1.0
BRLS	Borolday 70.20	311	eP	P	18 21 02.9 +0.7	
BRLS	Borolday	70.20	311	eP	P	18 21 02.9 +0.7
F24K	Squaw Lake comp=Z,6.1nm,0.6s	70.22	22	I Amb	I Amb	18 21 26.3
N24K	Squaw Lake baz=253	70.22	22	P	P	18 21 02.6 +0.8
F25K	Chitina, Valde baz=259	70.25	29	P	P	18 21 02.9 +0.7
CHM	Chimkent CHM	70.36	311	eP	pmax	18 21 03.2 0.0
CHM	comp=Z,1.1nm,0.6s					
CHM	Chimkent	70.36	311	eP	P	18 21 03.2 0.0
D24K	Happy Valley baz=254	70.36	20	P	P	18 21 03.9 +1.3
BVAR	Borovoye Array comp=Z,3.2nm,0.3s,baz=104,slow=8.1,SNR=405	70.42	322	P	P	18 21 03.5 +0.2
BRVK	Borovoye 70.49	322	eP	P	18 21 03.5 -0.2	
BRVK	Borovoye	70.49	322	eP	P	18 21 04.3 +0.6
BRVK	comp=Z,24nm,1.0s				pmax	
J25K	Salcha River, baz=258	70.51	26	P	P	18 21 03.6 -0.1
RIDG	Independent Ri comp=Z,7.1nm,0.8s	70.55	26	I Amb	I Amb	18 21 05.0
RIDG	Independent Ri baz=258,SNR=6.6	70.55	26	P	P	18 21 04.4 +0.5
G24K	Franklin Bluff baz=253	70.57	20	P	P	18 21 05.2 +1.3
CLB	Gilghina Butte comp=Z,14nm,1.0s	70.59	29	I Amb	I Amb	18 21 06.2
PRP	Porcupine Dome baz=257	70.64	25	P	P	18 21 04.8 +0.2
CHGR	Chuyangaron CHGR	70.69	307	P	P	18 21 05.2 -0.1
CHGR	Chuyangaron	70.69	307	P	pmax	18 21 05.3 -0.1
CHGR	comp=Z,3.7nm,0.8s					
VRDI	Verde Repeater baz=259,SNR=7.6	70.72	29	I Amb	I Amb	18 21 06.9
SIMJ	Simiganj SIMJ	70.80	307	P	I Amb	18 21 05.7 -0.4 18 21 07.4
SIMJ	comp=Z,19nm,0.9s					
KBL	Kabul KBL	70.88	302	P	I Amb	18 21 06.0 -0.7 18 21 08.8
KBL	comp=Z,22nm,1.1s					
KBL	Kabul	70.88	302	P	pmax	18 21 06.0 -0.7
KBL	comp=Z,22nm,1.1s					
SCRK	Sand Creek SCRK	70.97	26	P	P	18 21 06.2 -0.4 18 21 07.0 +0.4
SCRK	Sand Creek baz=259,SNR=7.6	70.97	26	P	P	18 21 06.2 -0.4
FYU	Fort Yukon comp=Z,2.6nm,1.4s	71.00	24	I Amb	I Amb	18 21 09.5
F25K	Christian River baz=256	71.08	22	P	P	18 21 08.5 +1.4
L26K	Log Cabin Wild comp=Z,1nm,0.7s	71.08	27	I Amb	I Amb	18 21 09.0
L26K	Log Cabin Wild baz=260,SNR=14	71.08	27	P	P	18 21 07.8 +0.6
M26K	Nabesna, AK baz=260	71.13	28	P	P	18 21 08.1 +0.6
E25K	Arctic Village comp=Z,20nm,1.5s	71.23	22	I Amb	I Amb	18 21 12.9
E25K	Arctic Village baz=256,SNR=9.0	71.23	22	P	P	18 21 09.4 +1.4
D25K	Kavik River comp=Z,11nm,0.6s	71.24	21	I Amb	I Amb	18 21 09.8
D25K	Kavik River baz=255	71.24	21	P	P	18 21 09.2 +1.1
J26L	Joseph Creek comp=Z,9.5nm,0.7s	71.25	26	I Amb	I Amb	18 21 10.8
J26L	Joseph Creek baz=259	71.25	26	P	P	18 21 08.9 +0.6
BMAR	Burnt Mountain I26K	71.44	23	P	P	18 21 09.5 +0.3
I26K	Coal Creek Min baz=259	71.57	25	P	P	18 21 09.9 -0.2
G26K	Porcupine River baz=258	71.64	23	P	P	18 21 12.0 +1.6
M27K	Edge Creek, AK comp=Z,11nm,0.7s	71.64	28	I Amb	I Amb	18 21 12.3
M27K	Edge Creek, AK baz=262	71.64	28	P	P	18 21 11.2 +0.5
F26K	Sheenjek River comp=Z,9.3nm,0.7s	71.66	22	I Amb	I Amb	18 21 13.9
F26K	Sheenjek River baz=258	71.66	22	P	P	18 21 12.1 +1.5
L27K	Beaver Creek, L27K	71.77	27	P	P	18 21 11.7 +0.4 18 21 12.3 +1.0
L27K	Beaver Creek, baz=261	71.77	27	P	P	18 21 11.7 +0.4
PPT2	Papeete2 comp=Z,7.6nm,22.2s	71.88	113	eLR	LR	18 43 04.7
PPT2	Papeete2	71.88	113	eLR	LR	18 43 05.5
PPT2	comp=Z,139nm,25.5s					
C26K	Candibay baz=256	71.89	20	P	P	18 21 13.2 +1.3
BVCY	Beaver Creek baz=262,SNR=7.1	72.12	28	P	P	18 21 13.9 +0.5
PINM	Pinnacle baz=264	72.13	31	P	P	18 21 13.6 0.0
YUK3	Moose Creek baz=263,SNR=9.4	72.22	29	P	P	18 21 15.0 +0.7
C27K	Jago River baz=258	72.23	20	P	P	18 21 14.7 +0.8
O28M	Mount Upton baz=264	72.23	30	P	P	18 21 15.7 +1.2
I27K	Kandik River baz=261	72.25	25	P	P	18 21 15.2 +1.0
EGAK	Eagle comp=Z,5.7nm,0.6s	72.32	26	I Amb	I Amb	18 21 19.6
EGAK	Eagle	72.32	26	P	P	18 21 15.6 +1.1
H27K	Steamboat Moun baz=261	72.39	24	P	P	18 21 15.8 +0.8
G27K	Doyon Strip baz=260	72.44	24	P	P	18 21 16.5 +1.3
YUK8	Steele Glacier baz=264,SNR=9.4	72.50	29	P	P	18 21 17.5 +1.4
E27K	Coleen River comp=Z,5.8nm,0.6s	72.70	22	I Amb	I Amb	18 21 18.8
E27K	Coleen River baz=260	72.70	22	P	P	18 21 17.6 +0.8
I28M	Miner Creek I28M	72.92	25	P	I Amb	18 21 18.9 +0.6 18 21 19.9
I28M	Miner Creek comp=Z,7.7nm,0.7s	72.92	25	P	P	18 21 19.1 +0.8
DAWY	Dawson baz=262	72.98	27	I Amb	I Amb	18 21 20.4
DAWY	Dawson comp=Z,8.2nm,0.8s	72.98	27	P	P	18 21 19.8 +1.2
O29M	Mount Kennedy comp=Z,1.5nm,0.8s	72.98	31	I Amb	I Amb	18 21 21.1
O29M	Mount Kennedy baz=261	72.98	31	P	P	18 21 19.9 +1.1
YUK4	Talbot Arm baz=265,SNR=12	73.04	29	P	P	18 21 20.9 +1.7
D27M	Malcolm River comp=Z,10.0nm,0.6s	73.11	21	I Amb	I Amb	18 21 21.7
D27M	Malcolm River baz=260	73.11	21	P	P	18 21 20.6 +1.4
YUK6	Outpost Mounta baz=265	73.14	30	P	P	18 21 21.3 +1.4
M29M	Somme Creek baz=265,SNR=17	73.23	28	P	P	18 21 21.1 +0.9
F28M	Old Crow comp=Z,12nm,0.6s	73.25	23	I Amb	I Amb	18 21 22.4

F28M	Old Crow baz=262	73.25	23	P	P	18 21 21.1 +1.1
P29M	Windy Craggy L29M	73.35	31	P	P	18 21 22.3 +1.4
L29M	L29M baz=265	73.44	28	P	P	18 21 22.6 +1.3
E28M	Babbage River E28M	73.52	22	P	P	18 21 22.8 +1.2 18 21 22.8 +1.2
J29N	Klondike Camp baz=266	73.53	26	I Amb	I Amb	18 21 25.1
J29N	Klondike Camp comp=Z,9.7nm,0.6s	73.53	26	P	P	18 21 23.1 +1.3
J29N	Klondike Camp baz=264	73.53	26	P	P	18 21 23.1 +1.3
HYT	Haines Junctio comp=Z,1.9nm,0.8s	73.55	30	I Amb	I Amb	18 21 24.9
HYT	Haines Junctio baz=266,SNR=12	73.55	30	P	P	18 21 23.9 +1.8
I29M	Ogilvie Camp, baz=264	73.59	25	P	P	18 21 23.1 +1.0
H29M	Whitestone comp=Z,11nm,0.6s	73.66	24	I Amb	I Amb	18 21 24.4
H29M	Whitestone baz=264	73.66	24	P	P	18 21 23.5 +1.0
P30M	Million Dollar baz=267	73.78	31	P	P	18 21 25.2 +1.9
K29M	Barlow Dome comp=Z,15nm,0.7s	73.78	27	I Amb	I Amb	18 21 25.9
K29M	Barlow Dome baz=265,SNR=17	73.78	27	P	P	18 21 24.5 +1.1
N30M	Aishikik Lake comp=Z,23nm,1.3s	73.80	29	I Amb	I Amb	18 21 26.0
N30M	Aishikik Lake baz=266	73.80	29	P	P	18 21 24.6 +1.2
G29M	Pine Creek comp=Z,15nm,1.1s	73.87	24	I Amb	I Amb	18 21 25.8
G29M	Pine Creek baz=264	73.87	24	P	P	18 21 25.0 +1.2
D28M	Stokes Point baz=262	73.90	21	P	P	18 21 25.2 +1.4
M30M	Minto, Yukon M30M	74.01	28	P	P	18 21 25.6 +1.0 18 21 26.2 +1.6
M30M	Minto, Yukon baz=266,SNR=7.8	74.01	28	P	P	18 21 26.2 +1.6
PLBC	Pleasant Camp baz=267,SNR=13	74.04	31	P	P	18 21 26.3 +1.5
E29M	Blow River baz=265	74.09	22	P	P	18 21 26.5 +1.0
O30N	Mendenthal baz=267	74.24	30	P	P	18 21 27.3 +1.3
EPYK	Eagle Plains baz=265	74.34	24	P	P	18 21 27.5 +1.0
J30M	Hart River comp=Z,11nm,0.6s	74.36	26	I Amb	I Amb	18 21 28.7
J30M	Hart River baz=266	74.36	26	P	P	18 21 27.8 +1.1
I30M	Mount Dempster baz=266	74.39	25	P	P	18 21 28.1 +1.2
N31M	Braeburn, Yuko N31M	74.43	29	I Amb	I Amb	18 21 27.9 +0.9 18 21 29.9
N31M	Braeburn, Yuko comp=Z,18nm,1.1s	74.43	29	P	P	18 21 28.9 +1.8
N31M	Braeburn, Yuko baz=267,SNR=5.5	74.43	29	P	P	18 21 29.0 +1.6
MAYO	Mayo, Yukon baz=267	74.49	27	P	P	18 21 29.0 +1.6
SKAG	Skagway baz=268	74.57	32	P	P	18 21 28.9 +1.0
G30M	tAoh Zraii Nji G30M	74.59	24	I Amb	I Amb	18 21 28.5 +0.6 18 21 31.0
G30M	tAoh Zraii Nji comp=Z,12nm,0.7s	74.59	24	P	P	18 21 28.8 +0.9
G30M	tAoh Zraii Nji baz=265	74.59	24	P	P	18 21 30.1 +0.9
F30M	Barrier River baz=266	74.81	23	P	P	18 21 32.1
WHY	Whitehorse comp=Z,11nm,0.7s	74.83	30	I Amb	I Amb	18 21 32.1
WHY	Whitehorse baz=268,SNR=7.4	74.83	30	P	P	18 21 30.9 +1.3
R32K	Eaglecrest baz=269	74.97	33	P	P	18 21 31.5 +1.3
JIS	Juneau Island M31M	75.04	33	P	I Amb	18 21 31.6 +1.0 18 21 32.6
M31M	Drury Creek, Y comp=Z,12nm,0.7s	75.11	29	P	P	18 21 32.4 +1.4
M31M	Drury Creek, Y baz=268	75.11	29	P	P	18 21 32.4 +1.4
H31M	Peel River comp=Z,15nm,0.7s	75.27	25	I Amb	I Amb	18 21 34.0
H31M	Peel River baz=267	75.27	25	P	P	18 21 33.5 +1.6
G31M	Satah River baz=267	75.35	24	P	P	18 21 33.4 +1.2
P32M	Atlin comp=Z,8.7nm,0.7s	75.39	31	I Amb	I Amb	18 21 34.8
P32M	Atlin baz=270,SNR=5.3	75.39	31	P	P	18 21 34.2 +1.5
F31M	Tsiigehtich baz=268	75.58	23	P	P	18 21 34.3 +0.7
FARO	Faro, Yukon comp=Z,9.4nm,0.5s	75.60	29	I Amb	I Amb	18 21 36.2
FARO	Faro, Yukon baz=269,SNR=13	75.60	29	P	P	18 21 34.7 +0.9
INK	Inuvik INK	75.70	22	I Amb	I Amb	18 21 34.2 0.0 18 21 35.3
INK	Inuvik comp=Z,9.5nm,0.8s	75.70	22	P	P	18 21 34.7 +0.5
INK	Inuvik baz=268	75.70	22	P	pmax	18 21 34.2 0.0
INK	Inuvik comp=Z,9.0nm,0.8s	75.72	30	I Amb	I Amb	18 21 36.6
N32M	Quiet Lake comp=Z,19nm,0.7s	75.72	30	P	P	18 21 36.2 +1.6
N32M	Quiet Lake baz=270	75.72	30	P	P	18 21 36.2 +1.6
U33K	Whale Pass baz=271	75.73	35	P	P	18 21 36.2 +1.5
P33M	Teslin, Yukon baz=270,SNR=5.9	75.85	31	P	P	18 21 36.8 +1.4
Q32M	Nakina River baz=271	76.14	32	P	P	18 21 38.8 +1.6
WRAK	Wrangell Islan baz=271	76.16	35	P	P	18 21 39.0 +2.0
SVE	Sverdlouvs SVE	76.17	326	eP	pmax	18 21 37.4 +0.2
SVE	Sverdlouvs	76.17	326	eP	pmax	18 21 37.4 +0.2
H02S1	DAWSN INLET T SNR=8	76.19	38	T	T	19 44 56.6
S34M	Telegraph Cree comp=Z,14nm,0.7s	76.77	33	I Amb	I Amb	18 21 43.0
S34M	Telegraph Cree baz=272	76.77	33	P	P	18 21 42.6 +2.1
R33M	Jennings River baz=272	76.80	32	P	P	18 21 42.3 +1.5
T35M	Bob Quinn baz=273	77.29	34	P	P	18 21 45.1 +1.5
DLBC	Saco Lake baz=273,SNR=6.6	77.33	33	P	P	18 21 45.8 +2.0

19d 18h

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Table with columns: ID, Name, Az, El, Dist, AzErr, ElErr, AzRate, ElRate, AzRateErr, ElRateErr, AzRateRate, ElRateRate, AzRateRateErr, ElRateRateErr. Rows include Hotham Inlet, White Mountain, Honhosa River, Slope Mountain, Big River Lodg, Red Dog Mine, DeLong Mountai, Tagagawik, Selawik, Galena City Sc, Poorman, Farewell, AK, Styx River, Spurr Chakacha, Noril'sk, Noril'sk, Purcell Mounta, Telida, Captain Cook N, Shalerucik Mo, Nowinta River, Naaghdeneel, Skwentna, Purkeypale, Suisitna One, Suisitna One, Anotleneega Mo, Seward, Castle Rocks, Rabbit Creek A, Rabbitt Creek A, Lake Murchumin, South Pole Qui, Kuna River, Kuna River, Wainwright, Willow, Avaraart Lake, Avaraart Lake, Chulitna, Kantishna Hill, Palmer, Palmer, Nigu River, Port Wells, Port Wells, Melozitna Rive, Bear Paw Mtn, Bear Paw Mtn, Etivluk River, Thorefare Moun, Montague Islan, Knik Glacier, Knik Glacier, Sawmill, Alatina River, Middleton Isla, Meade River.

Table with columns: ID, Name, Az, El, Dist, AzErr, ElErr, AzRate, ElRate, AzRateErr, ElRateErr, AzRateRate, ElRateRate, AzRateRateErr, ElRateRateErr. Rows include Meade River, Glacier View, Ishitina Cre, Reindeer, Reindeer, McKinley, Sheep Creek Mo, Knifeblade Rid, Bettles, Nenana, Cordova Ski Ar, Minto, Yukon-K, Minto, Yukon-K, Wadi Sar, Klutina, Klutina, Barrow, Wood River Hil, Tolson, Glenn, Anaktuvuk Pass, Anaktuvuk Pass, Bananza Creek, Kayak Island, Clear Creek Bu, Coldfoot, College, College, Sinclair Lake, Bremner River, Teshekpuk Lake, Harding Lake, Harding Lake, Poker Plat Res, HAARP, Noodor Dome, Chitina, Valde, Eielson Array, Paxson, Paxson, Donnelly Lake, Nunashuk River, Chandalar, Gilatna, Toolik Lake Re, Hadweezic Riv, Hadweezic Riv, Independent Ri, Your Creek, Salcha River, Salcha River, Squaw Lake, Mentasta, Porcupine Dome, MESA, Happy Valley, Natak, AK, Sand Creek, Log Cabin Wild, Franklin Bluff, Joseph Creek, Joseph Creek, Christian Rive, Christian Rive, Edge Creek, AK, Edge Creek, AK, Arctic Village, Arctic Village, Beaver Creek, Beaver Creek, Pinnae, Beaver Creek A, Coal Creek Min, Coal Creek Min, Kavik River, Kavik River, Burnt Moun, Burnt Moun, Porcupine Rive, Beaver Creek, Moose Creek, Sheenjek River, Akbulak array, Akbulak array, Steele Glacier.

Table with columns: ID, Name, Az, El, Dist, AzErr, ElErr, AzRate, ElRate, AzRateErr, ElRateErr, AzRateRate, ElRateRate, AzRateRateErr, ElRateRateErr. Rows include Eagle, Eagle, Kandi River, Camden Bay, Mount Kennedy, Steamboat Moun, Doyon Strip, Doyon Strip, Talbot Arm, Jago River, Outpost Mounta, Windy Craggy, Dawson, Dawson, Dawson, Somme Creek, Miner Creek, Miner Creek, Coleen River, Coleen River, Haines Junctio, Haines Junctio, Pelican, Million Dollar, L29M, L29M, Pleasant Camp, Aishikkik Lake, Klondike Camp, Klondike Camp, Malcom River, Old Crow, Sitka, Ogilvie Camp, Ogilvie Camp, Barlow Dome, Minto, Yukon, Mendenhall, Whitestone, Babbage River, Killisnoo, Braeburn, Yuko, Prine River, Arti, Arti, Arti, Arti, Arti, Arti, Arti, Whitehorse, Blow River, Mount Dempster, Mount Dempster, Atlin, Atlin, Zrail Nji, Wrangell Islan, Quiet Lake, Teslin, Yukon, Faro, Yukon, Peel River, Tsiightchic, Inuk, ELIB, Princess Elisha, Kirov, Akhty, Akhty, Belgoyne, Yreka Blue Hor, Snaas, Khabaz, Kislovodsk, GERRASS Array B, Paso Flores, Torodi Ar, Bea, La Paz, Dimbokro, Extrema, Cosan Antoni, Pontes e Lacer.

ISC 19 18:44:51.7-1.0,35:54N-0:02,3:84W,0:02,h29km,11km,

n109,c1869/184, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like PALE, PALEMAS, MONT GURUGU, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like EVIV, VILA BISBO, VILA BISBO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like BLOK, BLOK, GC02, FNO, etc.

Table with columns: EGOR, Sierra Gorda, 1.50 352 Pn Pn, 19 43 39.0 +0.9, etc.

NEIC 19 20:09:12.9.1.3, 64.9S:02.173.6W:0.3, h10km, 1km, mb4.7/5, Error ellipse: s-maj=27.0km s-min=19.8km az=28.0

Table with columns: IDC 19 20:09:12.0.1.2, 65.08S:173.72W, h0km, mb3.9/4, mbmp3.9/4, MS4.1/34, Error ellipse: s-maj=53.4km s-min=28.3km az=43.0

NEIC 19 20:09:12.9.1.3, 64.9S:02.173.6W:0.3, h10km, 1km, mb4.7/5, Error ellipse: s-maj=27.0km s-min=19.8km az=28.0

GCMT 19 20:09:12.9.0.3, 65.12S:02.174.21W:0.07, h20km, 1km, MW5.0/81, Moment Tensor Solution, s21,c21; s81,c98;

ISC 19 20:09:12.7.0.7, 65.35S:10.174.5W:0.2, h10km, n60, e135/22, mb4.2/6, MS4.1/33, Pacific-Antarctic Ridge

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Includes stations like SBA, VANDA, LBZ, RPZ, QSPA, etc.

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Includes stations like HATJ, HATERUMAJIMA, JKRS, etc.

Table with columns: J17K, VABM Dome, 63.95 29 P P, 20 43 45.6 +0.3, etc.

TEH 19 21:15:06.0, 30.92N:151.43E, h5km, IDC 19 21:15:07.8, 0.9, 30.92N:151.27E, h0km, mb4.0/22, mbmp4.0/29, ML3.77, MS3.1/10, Error ellipse: s-maj=19.5km s-min=13.1km az=175.0

ISC 19 21:15:08.7, 0.4, 30.81N:103.5142E:0.04, h10km, n179, e181/181, mb4.3/52, MS3.0/5, 10C-9D, Northern and central Iran

Main table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc. Includes stations like KLNJ, KOLANJAH, ABEH, etc.

Table of meteorological data for stations in Belgium (BELG), including codes like Betogornoye, Kashi, Ala-Archa, etc., with columns for time, position, and other parameters.

Table of meteorological data for stations in Kazakhstan (KZ), including codes like PanZhiHua, Chiang Mai Arr, Songjiao, etc., with columns for time, position, and other parameters.

Table of meteorological data for stations in Afghanistan (AF), including codes like Jan Mayen, Makanchi Array, Honiara, etc., with columns for time, position, and other parameters.

20d 1h

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Black Stump Fm, Toalangi, Alice Springs, etc.

IDC 20 01:35:47.9-0.8, 30.92N-103.41E, h0km, mb3.8/14, mbmp3.8/16, ML3.8/2, MS3.3/3, Error ellipse: s-maj=28.7km s-min=16.2km az=57.0

NEIC 20 00:35:51.5-0.8, 31.05N-107.103-45E-0.10, h10km, 2km, mb4.1/11, Error ellipse: s-maj=17.7km s-min=7.5km az=230.0

ISC 20 00:35:50.9-0.6, 30.97N-103.044E-0.09, h16km, n36, g090/37, mb4.0/20, MS3.2/3, Sichuan

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Enshi, Shilong, Chiang Mai Arr, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Burnt Mountain, POKR, ILAR, etc.

IDC 20 01:08:51.8-1.0, 12.68N-125.94E, h0km, mb3.7/10, mbmp3.7/10, Error ellipse: s-maj=41.7km s-min=19.0km az=67.0

ISC 20 01:08:56.4-1.0, 12.72N-125.9E-0.3, h32km, n13, g042/10, mb3.8/10, Samar

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Chiang Mai Arr, Warrungama Arr, etc.

IDC 20 01:25:17.8-8.2, 18.60S-177.73W, h580km, 36km, mb2.9/3, mbmp3.9/4, Error ellipse: s-maj=236.3km s-min=27.5km az=141.0, Fiji Islands region

MSVF Nonsavu 4.11 282 P P 01 26 43.0 +0.3

WRA Warrungama Arr 45.15 260 P P 01 26 43.1 -0.7

ASAR Alice Springs 45.23 255 P P 01 32 44.6 +0.1

ILAR Eielson Array 86.42 13 P P 01 36 58.2 -0.8

BRTR Keskin Array B 145.73 315 PKPbc PKPbc 01 43 53.5 +0.5

VAO 01:32:44.8-0.2, 30.13S-71.32W, h10km, mb6.3, SJA 20 01:32:46.0-0.8, 30.05S-71.59W, h32km, 4km, ML6.7, MW6.5

BUI 20 01:32:48.9, 30.03S-71.30W, h50km, mb6.4/74, Ms6.6/93, Ms7.6/792

PPT 20 01:32:49.0-0.4, 30.07S-71.30W, h35km, 3km, mb6.4/78, MLv7.3/9, Error ellipse: s-maj=0.0km s-min=0.0km az=4.0

GUC 20 01:32:50.0-0.7, 30.10S-71.30W, h70km, ML6.6, Ms6.4, MOS 20 01:32:50.0-1.0, 30.02S-71.41W, h51km, mb6.8/21, Ms6.0/25, Error ellipse: s-maj=10.6km s-min=6.6km az=94.5

RSNC 20 01:32:51.1-0.9, 30.1S-71.17W, h10.5km, 5km, Mb6.8, mb7.0, mb6.5, Mw(m)6.7, Mw(m)6.7, Mwp6.7, Mwp6.6, Hypocentre not reviewed by the ISC

IGPP 20 01:32:51.0, 30.07S-71.42W, h63km, Mw6.8, Fault plane solution: NP1: 216.00000, 534.00000, -1.96.00000, NP2: 43.00000, 556.00000, -1.86.00000, NP3: 51.8, 30.07S-71.42W, h63km

NEIC 20 01:32:51.7, 30.06S-71.42W, h60km, Moment Tensor Solution. Duration: 107. Moment tensor: Scale 10^19Nm; Mn=1.44, Mm=0.42, Mm=1.02, Mm=0.30, Mm=0.15, Mm=0.10; Fault plane solution: Ms1: P100x1019; NP1: 186.79000, 841.50000, -1.02.11000; NP2: 22.78000, 849.62000, -1.79.48000; Principal axes: T: 1.0669, Plg4.0000, Azm105.0000; N: 0.4219, Plg8.0000, Azm196.0000; P: -1.4888, Plg81.0000, Azm348.0000; NEIC 20 01:32:51.7, 30.06S-71.42W, h60km

IDC 20 01:32:52.0-0.5, 30.10S-71.31W, h66km, 4km, mb5.8/24, mbmp6.1/25, MS6.1/47, Error ellipse: s-maj=13.2km s-min=9.6km az=88.0

NEIC 20 01:32:52.5-3.0, 30.04S-0.05S-71.38W-0.06, h63km, 1km, ms6.6/699, Mw6.6/927, Mw6.7/73, Error ellipse: s-maj=9.4km s-min=8.2km az=78.0, Moment Tensor Solution. Moment tensor: Scale 10^19Nm; Mn=1.02; Mm=0.36; Mm=0.52; Mm=0.31; Mm=0.28; Fault plane solution: Ms1: 11.000-1019; NP1: 203.96000, 531.00000, -1.09.17000; NP2: 46.04000, 860.84000, -1.78.82000; Principal axes: T: 0.9880, Plg15.0000, Azm128.0000; N: 0.2189, Plg10.0000, Azm221.0000; P: -1.2068, Plg72.0000, Azm342.0000; ISC-PP 20 01:32:52.3, 30.04S-71.38W, h62km, Mwppsm6.9, Moment Tensor Solution. s30 Moment tensor: Scale 10^19Nm; Mn=0.64; Mm=0.02; Mm=0.65; Mm=0.15; Mm=0.15; Mm=0.24; Mm=0.12; Mm=0.05; 12; Fault plane solution: Ms2: 9800x1019; NP1: 174.10000, 835.30000, -1.252.50000; NP2: 15.20000, 856.60000, -1.78.00000; OSUNB 20 01:32:53.2-0.2, 30.13S-71.16W, h85km, 1km, Mw6.4/67, Error ellipse: s-maj=1.7km s-min=1.4km az=0.0

GCMT 20 01:32:57.5-0.0, 30.18S-71.39W, h61km, Mw6.6/171, Moment Tensor Solution. s171.c435, s164.c707; Duration: 51 Moment tensor: Scale 10^19Nm; Mn=1.25; Mm=0.38; Mm=0.87; Mm=0.37; Mm=0.14; Mm=0.16; Mm=0.00; Best double couple: Mo1: 13700x1019; NP1: 187.00000, 539.00000, -1.06.00000; NP2: 28.00000, 853.00000, -1.77.00000; Principal axes: T: 0.9399, Plg7.0000, Azm77.00000; N: 0.4219, Plg12.00000, Azm197.00000; P: -1.3360, Plg78.00000, Azm344.00000; nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

ISC 20 01:32:51.8-0.2, 30.08S-102.7132W-0.03, h65km, 1km, h66km, PP-P1, n1917, t1980/1978, mb6.5/350, 126C-130D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like La Serena, Tololo Observa, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Op, ISC, h, m, s, Res, ISC. Includes stations like Tololo Observa, Fray Jorge, El Pedregal, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like VA04 Juan Fernandez, H03S3 Juan Fernandez, H03S1 Juan Fernandez, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like G010 Punta Arenas, ITU3 Corumbazu, ITU3 East Falkland, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like ROSC Palmer Station, PMSA Palmer Station, PMSA Palmer Station, etc.

20d 1h

2019 JAN

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like B1M Bigot, FDF Fort de France, ILAM Ilet Janin Mar, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like ZAIG Zacatecas, ZALG Zacatecas, ZSHEL Horse Pasture, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like S51A Beattyville, LCAR Lake Charles, VHRN Van Horn, etc.

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Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like PMOR, 121A, 121A, 121A, etc.

2019 JAN

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like J47A, K43A, WVL, VTX, etc.

20d 1h

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like PCED, PICO, PICO, etc.

20d 1h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ELK, PMP5, GRTLQ, and many others.

2019 JAN

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AVE, OMRZ, WKZ, INZ, TLZ, and many others.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like EMAL, EMLI, EALB, and many others.

IDGL	comp=Z,30um,32.6s	IAMS_20	IAMS_20	02 25 02.7					
S34M	Telegraph Cree	100.90	332	Pdiff	Pdiff	01 46 33.9	+0.7		
T33K	Petersburg	100.95	330	Pdiff	Pdiff	01 46 34.1	+0.7		
MCH1	Michaelchurch	101.18	36	eP	Pdiff	01 46 33.2	-1.4		
MONM	Monmouth	101.19	36	eP	IAMB	01 46 34.4	-0.2		
MONM	comp=Z,84nm,1.0s	IAMS_20	IAMS_20	02 28 23.5					
VOI	Vohtsoka	101.20	123	P	Pdiff	01 46 35.3	-0.5		
WME	Myndla Eilian	101.34	34	eP	Pdiff	01 46 35.6	+0.3		
WTLV	Watson Lake, Y	101.43	334	Pdiff	Pdiff	01 46 35.7	+0.1		
STRD	Stroud	101.48	36	eP	IAMB	01 46 36.1	+0.2		
STRD	comp=Z,116nm,1.0s	IAMS_20	IAMS_20	02 28 33.2					
SWN1	Swindon	101.52	37	eP	Pdiff	01 46 37.2	+1.0		
FOEL	Foel Wyifa	101.59	35	eP	IAMB	01 46 37.1	+0.6		
FOEL	comp=Z,98nm,1.2s	IAMS_20	IAMS_20	02 30 14.9					
WRGLY	Wrigley	101.75	339	Pdiff	Pdiff	01 46 37.2	+0.3		
R336	Jennings River	101.79	333	Pdiff	Pdiff	01 46 37.2	-0.2		
Q32M	Nakina River	102.03	332	Pdiff	Pdiff	01 46 38.5	+0.1		
S32K	Killisnoo	102.06	330	Pdiff	Pdiff	01 46 38.4	+0.1		
SIT	Sitka	102.13	330	Pdiff	Pdiff	01 46 38.9	+0.3		
HMXN	Herstonceux	102.29	38	eP	IAMB	01 46 40.2	+0.7		
HMXN	comp=Z,252nm,1.0s	IAMS_20	IAMS_20	02 27 37.7					
NEWS	New Galloway	102.37	33	eP	Pdiff	01 46 39.5	-0.4		
NEWS	comp=Z,23um,36.1s	IAMS_20	IAMS_20	02 24 29.2					
LAWE	Loch Awe, Argy	102.50	31	eP	IAMB	01 46 40.2	-0.2		
LAWE	comp=Z,42nm,1.1s	IAMS_20	IAMS_20	02 26 11.1					
R32K	Eaglecrest	102.52	331	Pdiff	Pdiff	01 46 41.2	+0.7		
KESW	Keewick, Cumbr	102.61	34	eP	Pdiff	01 46 41.8	+1.0		
KESW	comp=Z,21um,36.6s	IAMS_20	IAMS_20	02 23 56.9					
LBWR	Ladybower, Pea	102.61	35	eP	Pdiff	01 46 41.3	+0.3		
LBWR	comp=Z,17um,48.6s	IAMS_20	IAMS_20	02 22 48.1					
PGBU	Glenfiterbraes	102.66	32	eP	IAMB	01 46 41.0	-0.1		
PGBU	comp=Z,102nm,1.3s	IAMS_20	IAMS_20	02 25 27.6					
ELSH	Eiham, Standar	102.87	38	eP	IAMB	01 46 41.4	-0.7		
ELSH	comp=Z,228nm,0.8s	IAMS_20	IAMS_20	02 27 54.7					
ESK	Eskaletmuir	102.97	33	eP	Pdiff	01 46 42.0	-0.5		
ESK	comp=Z,23um,36.2s	IAMS_20	IAMS_20	02 25 02.9					
HPK	Haverah Park	102.97	35	eP	Pdiff	01 46 43.1	+0.6		
HPK	comp=Z,13um,29.2s	IAMS_20	IAMS_20	02 24 09.1					
EKA	Eskaletmuir Ar	103.00	33	Pdiff	Pdiff	01 46 41.7	-0.9		
EKA	comp=Z,13nm,0.9s,baz=236,slow=4.4,SNR=19	PKKP	PKKP	01 51 02.5	+0.2				
EKA	comp=Z,3.8nm,0.7s,baz=212,slow=1.6,SNR=6.7	PKKP	PKKP	02 02 41.6	+0.7				
P32M	Atin	103.00	332	Pdiff	Pdiff	01 46 43.0	+0.4		
P32M	Atin	103.00	332	Pdiff	Pdiff	01 46 43.0	+0.4		
KPL	Plockton	103.02	30	eP	IAMB	01 46 43.0	+0.4		
KPL	comp=Z,64nm,1.2s	IAMS_20	IAMS_20	02 26 20.8					
P33M	Teslin, Yukon	103.03	333	Pdiff	Pdiff	01 46 43.5	+0.7		
S31K	Pelican	103.06	330	Pdiff	Pdiff	01 46 43.8	+1.0		
WACR	West Acre	103.44	36	eP	IAMB	01 46 44.3	-0.3		
WACR	comp=Z,167nm,0.9s	IAMS_20	IAMS_20	02 29 41.3					
SKAG	Skagway	103.58	332	Pdiff	Pdiff	01 46 45.6	+0.6		
N32M	Quiet Lake	103.72	334	Pdiff	Pdiff	01 46 47.0	+1.2		
PLCB	Pleasant Camp	104.00	331	Pdiff	Pdiff	01 46 47.8	+0.8		
DZM	Mont Dzumac	104.04	234	eP	Pdiff	01 46 49.8	+1.5		
DZM	Mont Dzumac	104.04	234	eP	PKIPP	01 51 03.5	-1.9		
DZM	Mont Dzumac	104.04	234	eSS	SS	02 05 51.6	+2.3		
DZM	Mont Dzumac	104.04	234	eLQ	LQ	02 16 35.0			
DZM	comp=Z,55um,24.9s	eLR	LR	02 21 01.3					
DZM	Mont Dzumac	104.04	234	PKKP	PKKP	02 02 38.7	+2.2		
WHY	Whitehorse	104.12	333	Pdiff	Pdiff	01 46 48.2	+0.6		
DOU	Dourbes	104.22	40	dPdiff	Pdiff	01 46 49.6	+1.4		
BMRD	Maredsous	104.42	40	dPdiff	Pdiff	01 46 49.2	+0.2		
UCC	Uccle	104.44	39	dPdiff	Pdiff	01 46 49.6	+0.5		
FARO	Faro, Yukon	104.49	335	Pdiff	Pdiff	01 46 50.0	+0.9		
RCHB	Rochefort	104.60	40	dPdiff	Pdiff	01 46 50.0	+0.2		
BGES	Gesves	104.63	40	dPdiff	Pdiff	01 46 50.5	+0.5		
P30M	Million Dollar	104.64	332	Pdiff	Pdiff	01 46 50.5	+0.6		
O30N	Mendenhall	104.66	333	Pdiff	Pdiff	01 46 50.8	+0.8		
P29M	Windy Craggy	104.67	331	Pdiff	Pdiff	01 46 50.3	+0.3		
BCLA	Clavier	104.77	40	dPdiff	Pdiff	01 46 51.8	+1.2		
SUMG	Summit	104.84	10	PP	PKIPP	01 51 09.0	+3.3		
SUMG	Summit	104.84	10	P	Pdiff	01 46 51.0	+0.1		
M31M	Drury Creek, Y	104.86	334	Pdiff	Pdiff	01 46 51.7	+0.9		
WLF	Walfardange	104.88	41	P	Pdiff	01 46 51.3	+0.2		
WLF	Walfardange	104.88	41	dPdiff	Pdiff	01 46 52.8	+1.7		
N31M	Braeburn, Yuko	104.96	333	Pdiff	Pdiff	01 46 51.8	+0.6		
BSTI	Sart Tilman	105.00	40	dPdiff	Pdiff	01 46 52.8	+1.2		
BHOH	Houveznez	105.13	40	dPdiff	Pdiff	01 46 53.2	+0.9		
BEBN	Eben Emael	105.16	40	dPdiff	Pdiff	01 46 52.7	+0.3		
MEM	Membrach	105.26	40	dPdiff	Pdiff	01 46 54.2	+1.4		
HYT	Haines Junctio	105.26	332	Pdiff	Pdiff	01 46 53.0	+0.3		
BTNL	Terrell	105.31	40	dPdiff	Pdiff	01 46 54.5	+1.4		
O29M	Mount Kennedy	105.40	332	Pdiff	Pdiff	01 46 54.1	+0.7		
KMBO	Klitma Mbogo	105.44	101	Pdiff	Pdiff	01 46 55.1	+0.2		

KMBO	comp=Z,2.8nm,0.8s,baz=40,slow=6.4,SNR=6.0	PKKP	PKKP	02 02 33.9	+1.6				
N30M	Aishikik Lake	105.46	333	Pdiff	Pdiff	01 46 54.0	+0.5		
BFO	Bla Forest	105.51	43	ePdiff	Pdiff	01 46 55.3	+1.2		
RES	Resolute Bay	105.64	354	Pdiff	Pdiff	01 46 54.0	+0.1		
YUK6	Outpost Mounta	105.67	332	Pdiff	Pdiff	01 46 54.8	+0.1		
DAVOX	Davos/Dischmat	105.73	45	Pdiff	Pdiff	01 46 56.3	+1.1		
DAVOX	comp=Z,13nm,0.8s,baz=225,slow=2.9,SNR=7.6	PKKP	PKIPP	01 51 08.0	+0.2				
DAVA	Damuels	105.96	44	ePdiff	Pdiff	01 46 56.9	+0.7		
DAVA	comp=Z,63nm,1.2s,SNR=15	ePKIPP	PKIPP	01 51 09.1	+0.9				
DAVA	comp=Z,11nm,0.9s	ePKIPP	PKIPP	02 02 27.6	-4.2				
DAVA	comp=Z,22nm,1.2s	PP	P'P'df	02 10 54.7	+2.3				
M30M	Minto, Yukon	105.98	334	Pdiff	Pdiff	01 46 56.6	+0.8		
PINM	Pinnacle	105.99	331	Pdiff	Pdiff	01 46 56.2	+0.3		
YUK4	Talbot Arm	106.01	332	Pdiff	Pdiff	01 46 56.4	+0.3		
STU	Stuttgart	106.22	43	dPdiff	Pdiff	01 46 58.8	+1.7		
MAYO	Mayo, Yukon	106.24	335	Pdiff	Pdiff	01 46 57.9	+1.0		
C36M	Paulatuk	106.27	343	Pdiff	Pdiff	01 46 56.3	-0.5		
UBR	Ueberruh	106.28	44	ePdiff	Pdiff	01 46 58.8	+1.4		
O28M	Mount Upton	106.33	332	Pdiff	Pdiff	01 46 58.2	+0.6		
BUG	Bochum-Univer	106.35	40	ePdiff	Pdiff	01 46 59.5	+1.9		
FETA	Feichten	106.36	45	ePdiff	Pdiff	01 46 58.8	+0.8		
FETA	comp=Z,45nm,1.1s,SNR=13	ePKIPP	PKIPP	01 51 10.1	+1.2				
FETA	comp=Z,20nm,1.2s	ePKIPP	PKKP	02 02 29.2	-1.4				
YUK8	Steele Glacier	106.43	332	Pdiff	Pdiff	01 46 58.0	-0.1		
TNS	Tanus Mts	106.45	41	ePdiff	Pdiff	01 46 59.8	+1.6		
M29M	Somme Creek	106.55	333	Pdiff	Pdiff	01 46 58.9	+0.4		
RETA	Reutte	106.58	44	ePdiff	Pdiff	01 46 59.6	+0.7		
RETA	comp=Z,47nm,1.1s,SNR=22	ePKIPP	PKIPP	01 51 10.5	+1.2				
RETA	comp=Z,4.7nm,0.7s	ePKIPP	PKKP	02 02 25.4	-4.4				
MOTA	Mosamal	106.73	45	ePdiff	Pdiff	01 47 00.1	+0.5		
MOTA	comp=Z,21nm,0.9s	ePKIPP	PKIPP	01 51 10.8	+1.2				
MOTA	comp=Z,9.0nm,1.0s	ePKIPP	PKKP	02 02 28.7	-0.7				
MOTA	comp=Z,1.1nm,1.3s	eP'P'	P'P'df	02 10 53.1	+2.1				
SQTA	Sankt Quirin	106.74	45	i Pdiff	Pdiff	01 47 00.4	+0.8		
SQTA	comp=Z,7.5nm,1.1s,SNR=33	ePKIPP	PKIPP	01 51 09.7	+0.1				
SQTA	comp=Z,37nm,1.7s	ePKIPP	PKKP	02 02 29.4	0.0				
SQTA	comp=Z,10nm,0.9s	eP'P'	P'P'df	02 10 53.0	+2.1				
MESA	MESA	106.75	330	Pdiff	Pdiff	01 46 59.6	+0.2		
L29M	Mesa	106.79	334	Pdiff	Pdiff	01 47 00.3	+0.9		
KASTN	Kahler Asten	106.88	40	ePdiff	Pdiff	01 47 01.4	+1.4		
J30M	Hart River	106.96	336	Pdiff	Pdiff	01 46 59.6	-0.6		
K29M	Barlow Dome	106.98	335	Pdiff	Pdiff	01 46 59.9	-0.4		
YUK3	Moose Creek	106.98	332	Pdiff	Pdiff	01 47 00.7	+0.2		
H31M	Peel River	107.00	337	Pdiff	Pdiff	01 47 00.1	-0.1		
WATA	Walderalm	107.01	45	ePdiff	Pdiff	01 47 01.5	+0.6		
WATA	comp=Z,78nm,1.9s,SNR=27	ePKIPP	PKIPP	01 51 10.9	+0.8				
WATA	comp=Z,38nm,1.8s	ePKIPP	PKKP	02 02 26.3	-2.2				
WATA	comp=Z,5.4nm,1.0s	eP'P'	P'P'df	02 10 52.2	+1.8				
WTTA	Wattenberg	107.02	45	ePdiff	Pdiff	01 47 01.8	+0.8		
WTTA	comp=Z,67nm,1.2s,SNR=20	ePKIPP	PKKP	02 02 27.2	-1.4				
WTTA	comp=Z,5.9nm,0.6s	PP	P'P'df	02 10 50.8	+0.3				
IBBN	Ibbenburg	107.02	39	ePdiff	Pdiff	01 47 02.4	+1.8		
FUR	Furstenfeldbru	107.19	44	ePdiff	Pdiff	01 47 03.3	+1.8		
BGLC	Bering Glacier	107.30	330	Pdiff	Pdiff	01 47 02.7	+1.1		
ABTA	Abfaltersbach	107.34	46	ePdiff	Pdiff	01 47 03.1	+0.9		
ABTA	comp=Z,16nm,1.0s,SNR=11	ePKIPP	PKIPP	01 51 12.2	+1.5				
ABTA	comp=Z,16nm,1.0s	ePKIPP	PKKP	02 02 27.5	+0.1				
BVCY	Beaver Creek	107.37	333	Pdiff	Pdiff	01 47 02.2	+0.3		
J29N	Klovdike Camp	107.47	335	Pdiff	Pdiff	01 47 04.0	+1.1		
UBBA	Unterbreizbach	107.61	41	ePdiff	Pdiff	01 47 04.8	+1.7		
G31M	Satah River	107.63	338	Pdiff	Pdiff	01 47 02.9	0.0		
F31M	Tsigtetich	107.77	339	Pdiff	Pdiff	01 47 04.0	+0.5		
DAWF	Dawson	107.79	335	Pdiff	Pdiff	01 47 03.4	-0.4		
GRF	Grafenberg Arr	107.82	43	ePdiff	Pdiff	01 47 06.7	+2		

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Table with columns: BRG, Bergiesshubel, 109.90, 42, ePdiff, Pdif, 01 47 15.4 +2.0, etc. Includes entries like PRU Pruhonice, TIR Tirane, SEW Seward, etc.

Table with columns: CHIR, Chirikof Islan, 111.29, 323, Pdiff, Pdif, 01 47 21.1 +1.7, etc. Includes entries like F26K Sheenjek River, IDI Anoyia, POKR Pomer Plat Res, etc.

Table with columns: N1E, Kilae Creek, 113.19, 328, eSP, PKIKP, SP, 02 01 41.6 +1.1, etc. Includes entries like N18K Kilae Creek, HFS Hagfors, HFS Hagfors, etc.

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Table with columns for station name, frequency, mode, and signal strength. Includes stations like NIL, MK31, ARKS, SONM, ULN, AAK, ARSB, DRK, ZAK, XLT, MOY, BTM, GAR, BTL, KBL, CHGR, SIMJ, IUG, KKAR, BRSL, KURBB, KURK, KURK, ZAAO, ZALV, BRZS, CN2, KRSR, BVAR, BRVK, BRVK, BNX, BHE, USA0B, ABKAR, ZEA, AKTO, SVE, ARTI, ARTI, ARTI, YAK, YAK, AKT, AKT, NRIK, NRIK.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like NRIK, YSS, BELG, BELG, KIRV, KIRV, KBZ, KIV, SHAI, RAYN, RAYN, VRH, VRH, TIXI, TIXI, VORD, VORD, VSR, VSR, VORR, VORR, LPSR, LPSR, KLMR, KLMR, OBN, OBN, SOEI, SEY, SEY, BRTR, BRTR, LVZ, LVZ, EIL, EIL, PUL, PUL, AKO9, AKASG, AKKB, AKKB, KIEV, KIEV, KIEV, KIEV, AKO5, AKO5, TLCR, TLCR, CFR, CFR, FINES, FINES, HORU, HORU, RNP9, RNP9, VRI, VRI, VRI, VRI, PLOH, PLOH, ARCES, ARCES, MLR, MLR, MLR, MLR, BURAR, BURAR, BILL, BILL, BILL, BILL, STNU, STNU, VOIR, VOIR, VOIR, VOIR, ARR, ARR, FITZ, FITZ, BMR, BMR, BMR, BMR, MARR, MARR, DRGR, DRGR, DRGR, DRGR, SURR, SURR, BZS, BZS, BZS, BZS, VYHS, VYHS, MORG, MORG, MORG, MORG, NRIK, NRIK.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like HFS, KRLC, KRLC, DPC, VRAC, VRAC, VRAC, VRAC, VRAC, VRAC, NOA, CONA, BRG, BRG, ZVC, ZVC, SOKA, WBL, WBL, WBL, WBL, WRA, WRA, WB2, WB2, MOA, GEC2, GEC2, GEC2, GEC2, KHC, KHC, KHC, KHC, KMBO, KMBO, WTTA, WTTA, WATA, WATA, SQTA, SQTA, MOTA, MOTA, RETA, RETA, FETA, FETA, AS31, ASAR, ASAR, DAVOX, DAVOX, F17K, F17K, G16K, G16K, H17K, H17K, KEST, KEST, EKA, EKA, J19K, J19K, E24K, E24K, J20K, J20K, C27K, C27K, E28M, E28M, ILAR, ILAR, A36M, INK, INK, INK, INK, STKA, STKA, YKNO, YKNO, YKNO, YKNO, TORD, TORD, QSPA, QSPA, SJA 20 03:09:39.0, GUC 20 03:09:41.7, ISC 20 03:09:41.2, Code, Station Name, Az, Phase ID, Time, Res.

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase ID, Time, Res, and other technical details for various stations.

IDC 20 03:12:23.0.6.1, 7.83S, 128.84E, h173km, 64km, mb3.1/2, s-bmp=3.8/6, MS3.9/1, Error ellipse: s-maj=59.1km

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase ID, Time, Res, and other technical details for stations in the Banda Sea region.

GUC 20 03:12:21.6.0.8, 30.21S, 71.28W, h69km, 3km, ML3.5, 1D, Near coast of central Chile

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase ID, Time, Res, and other technical details for stations near the coast of central Chile.

NEIC 20 03:13:01.6.1.0, 19.03S, 0.06E, 168.8E, 0.2, h35km, 1km, mb4.8/12, Error ellipse: s-maj=25.6km s-min=9.4km

IDC 20 03:13:02.6.3.9, 19.08S, 168.81E, h60km, 35km, mb4.0/15, mbmp4.3/16, ML4.3/1, Error ellipse: s-maj=23.1km

NOU 20 03:13:05.1, 19.23S, 168.79E, h42km, MLv5.1/21, Vanuatu Islands

ISC 20 03:13:01.8.0.5, 19.20S, 0.04E, 168.93E, 0.08, h50km, n72, s=1563/71, mb4.5/19, Vanuatu Islands

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase ID, Time, Res, and other technical details for stations in the Vanuatu Islands.

Main table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase ID, Time, Res, and other technical details for various stations.

SJA 20 03:27:18.4.0.8, 30.22S, 71.44W, h53km, 5km, ML3.7, MW3.8

GUC 20 03:27:19.8.0.8, 30.23S, 71.29W, h68km, 2km, ML4.0, ISC 20 03:27:20.0.1, 3.20E, 0.03, 71.48W, 0.05, h47km, 12km, n48, s176/78, 2C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase ID, Time, Res, and other technical details for stations near the coast of central Chile.

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase ID, Time, Res, and other technical details for various stations.

NEIC 20 03:32:14.2.4.2, 7.20S, 0.07E, 148.7E, 0.2, h10km, 2km, az=96.0

IDC 20 03:32:37.9.1.5, 4.28S, 146.23E, h0km, mb3.9/2, mbmp4.3/4, ML4.8/1, Error ellipse: s-maj=71.2km s-min=26.1km az=112.0

20d 4h

ISC 20 03:32:39.1+1.0, 4.9S; 0.1; 147.1E; 0.1, h10km, n25, z=251/23, mb4.1/6, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Port Moresby, Coen, TATA, etc.

OMAN 20 03:47:02.7+0.1, 28.28N; 64.11E, h46km, g8km, mb4.1/3, Error ellipse: s-maj=3.8km s-min=2.3km az=266.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Negor - Chabah, Jask - Hormozg, etc.

SJA 20 03:51:43.0, 30.14S; 71.58W, h10km, ML3.3

GUC 20 03:51:46.5+0.9, 30.16S; 71.28W, h66km, km, ML3.5

ISC 20 03:51:46.1+1.4, 30.15S; 0.04; 71.47W; 0.07, h46km, g1km, n37, t=107/42, 2C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like La Serena, Tololo Observa, etc.

NAO 20 03:54:15.8+0.7, 66.90N; 13.58E, ML2.9

UPL 20 03:54:15.6+0.2, 66.89N; 13.48E, h0km, ML2.5

HEP 20 03:54:16.5+0.1, 66.92N; 13.38E, h12km, 1km, ML2.5, ML2.3 (UEP), ML2.5 (UEP), Confirmed Earthquake

ISC 20 03:54:18.8+1.5, 66.94N; 13.74E, h0km, mb3.9/1.4, ML2.4/4, Error ellipse: s-maj=19.3km s-min=9.3km az=120.0

BER 20 03:54:17.2+2.3, 66.93N; 13.44E, h0km, 7km, ML2.3,

2019 JAN

MW2.5, ML2.9(NAO), Confirmed Earthquake ISC 20 03:54:15.2+1.1, 66.93N; 0.02; 13.58E; 0.03, h4km, g9km, n103, t=1949/164, 6C, Northern Norway

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KONS, STOK, FAUS, MOR, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like HUSU, ARCES, HAMF, DOMB, VAF, etc.

ADC 20 03:59:44.1+6.8, 7.64S; 129.92E, h0km, mb3.9/1, mbtmp 3.4, ML3.1/3, Error ellipse: s-maj=86.6km s-min=53.1km az=146.0, Banded Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, ASAR, STKA, etc.

HEL 20 04:04:54.3+0.2, 67.66N; 33.73E, h0km, ML1.2, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like LVZ, VRF, RAJF, etc.

KOLA 04:05:28.8,67.64N,33.78E,h0km,ML1.5, Error ellipse: s-maj=1.8km s-min=1.8km az=120.0, Khibiny, mines Kirovsk, Yukspor,Khibiny, mines Rasvumchorr, Central, Baltic States-Belarus-Northern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include APA, APA0, APA0, KVDA, TERR, ARCES, ARCES.

TIF 04:29:34.8, 40.51'N, 48.63'E, h10km, 1km
DRS 04:29:35.1, 40.50'N, 48.48'E, h48km
IDC 04:29:36.0, 1.8, 40.79'N, 48.47'E, h0km, mb3.6/3, mbtmp3.4/5, ML2.7/2, Error ellipse: s-maj=37.9km s-min=15.2km az=161.0

AZER 04:29:37.6, 40.62'N, 48.41'E, h16km, m3.1
TEH 04:29:37.2, 40.42'N, 48.56'E, h9km
MOS 04:29:41.8, 1.1, 40.69'N, 48.42'E, h44km, mb3.8/1, Error ellipse: s-maj=16.6km s-min=6.2km az=115.0

ISC 20 04:29:38.8, 0.40, 50.0'N, 02.48'E, 0.02, h14km, 6km, n83, r1842/148, mb3.4/3, 1C, Eastern Caucasus

Main table for the first section, listing station codes (PQL, ATGJ, QBL, SIZA, etc.), station names, coordinates, and time/resolution data.

Main table for the second section, listing station codes (BUJR, UNCR, DGRG, etc.), station names, coordinates, and time/resolution data.

Main table for the third section, listing station codes (CO03, CO01, CO00, etc.), station names, coordinates, and time/resolution data.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like ACUV Cuesta del Vie, DOCA Cerro Coronel, VA06 Catalipico, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like IDC 20 05:06:27.3, TRN 20 05:06:29.1, FUNUV 20 05:06:29.3, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like TRN Brigand Hill, TBH Brigand Hill, CUMV Cumana, UDO, etc.

GUC 20 05:12:45.8, SJA 20 05:12:45.0, ISC 20 05:12:45.2, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like VA06 Catalipico, VA01 Torpederas, VA03 San Esteban, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like AGUA GUANDACOL, AVFE Valle Fertil, etc.

RSNC 20 05:12:54.8, mb4.2, ML3.1, Mw(1b), 0.4, South of Panama

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like AZU Azuero, AZU Azuero, AZU Azuero, etc.

SJA 20 05:22:02.3, SCB 20 05:22:03.5, Error ellipse: s-maj=4.7km, s-min=4.4km, az=0

ISC 20 05:22:01.8, h253km, n27, r1941/42, Southern Bolivia

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes entries like MOCB Mochara, YJA Yavi, YJA Yavi, etc.

IDC 20 05:37:43.2, mbmp3.9, Error ellipse: s-maj=66.1km, s-min=14.6km, az=73.0

IDC 20 06:51:08.4.2.5, 13.145:111.50W, h0km, mb3.8/7, mbtmp3.8/7, MS3.9/23, Error ellipse: s-maj=93.6km s-min=22.7km az=54.0, Central East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Rapa Nui, Juan Fernandez, Papeete, etc.

IDC 20 06:51:48.1.0.8, 0.98N:126.14E, h0km, mb4.0/9, mbtmp4.0/10, ML4.1/1, MS3.4/1, Error ellipse: s-maj=49.8km s-min=14.8km az=79.0

DJA 20 06:51:54.2.0.4, 1.7N:6.12'E, h10km, M4.0/6, MLv4.0/6 NEIC 20 06:51:54.2.0.7, 0.9N:0.1, 1.26:07E:0.03, h35km, 2km, mb4.1/13, Error ellipse: s-maj=20.4km s-min=4.7km az=354.0

ISC 20 06:51:54.1.0.6, 0.94N:107.126:13E:0.05, h44km, n33, s1507/34, mb4.0/15, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Ternate, Cibinong, Luwuk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Makanchi Array, Kurbatov Arra, etc.

IDC 20 06:55:00.3.2.7, 46.68N:149.14E, h0km, mb3.6/5, mbtmp3.6/5, MS3.5/1, Error ellipse: s-maj=206.6km s-min=23.8km az=121.0

SKHL 20 06:55:01.4.0.8, 45.60N:151.40E, h42km, 7km, mb4.4/2 ISC 20 06:55:08.0.1.0, 46.60N:149.7E:0.4, h50km, n10, s192/13, mb3.7/5, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Kuril'sk, Shikotan, Shikotan, etc.

NNC 20 06:57:43.2.4.2, 49.94N:76.40E, h0km, mb2.9, mpv2.7, Error ellipse: s-maj=46.0km s-min=13.8km az=147.0, Suspected Mining explosion.

IDC 20 06:57:43.6.3.1, 50.09N:76.26E, h0km, mbtmp2.7/2, ML2.1/2, Error ellipse: s-maj=29.0km s-min=19.5km az=101.0

ISC 20 06:57:44.8.2.9, 50.09N:76.3E:0.2, h0km, n15, s1812/25, 11C-11D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Kurchatov Arra, Kurchatov Arra, etc.

NNC 20 06:59:24.1.1.3, 51.84N:74.24E, h0km, mb3.0, mpv2.6, Error ellipse: s-maj=115.3km s-min=5.8km az=25.0, Suspected Mining explosion.

IDC 20 06:59:26.3.1.0, 51.87N:74.27E, h0km, mbtmp2.7/3, ML2.1/3, Error ellipse: s-maj=27.7km s-min=8.3km az=27.0

ISC 20 06:59:22.0.1.1, 52.82N:101.74:89E:0.05, h0km, n10, s136/9, 5C-4D, Central Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BVAO, BVAR, BRVK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MKAR, MKAR.

IDC 20 07:13:26.2.31.0, 21.54S:178.60W, h408km, mb268km, mb3.3/5, mbtmp4.1/5, Error ellipse: s-maj=181.4km s-min=97.8km az=82.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like CTA, STKA, ASAR, WRA, CMAR, AKASE.

IDC 20 07:30:08.2.2.0, 2.65S:144.89E, h0km, mb3.4/3, mbtmp3.5/3, Error ellipse: s-maj=303.2km s-min=31.0km az=110.0, Niingo Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like WRA, ASAR, ILAR.

AUST 20 07:37:40.0.3.3, 32.52S:13.87E, h10km, ML2.3/10, Error ellipse: s-maj=5.6km s-min=3.6km az=95.4

IDC 20 07:37:41.3.4.5, 31.09S:136.60E, h0km, mbtmp2.7/3, ML2.5/2, Error ellipse: s-maj=90.9km s-min=16.8km az=35.0

ISC 20 07:37:39.9.0.8, 31.50S:0.04:138.28E:0.05, h14km, n18, s1506/21, South Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like YAPP, LCRK, WHYH, etc.

IDC 20 07:39:18.2.1.4, 30.32S:71.19W, h0km, mb3.7/3, mbtmp3.7/6, ML3.3/3, Error ellipse: s-maj=43.2km s-min=33.4km az=101.0

GUA 20 07:39:26.6.0.6, 30.12S:71.19W, h61km, 2km, ML3.9 NEIC 20 07:39:27.0.1.2, 30.14S:0.01:71.35W:0.09, h63km, 5km, mb4.0/2, Error ellipse: s-maj=11.1km s-min=1.5km az=84.0

ISC 20 07:39:26.5.0.8, 30.15S:0.04:71.38W:0.06, h63km, 6km, n47, s1502/56, mb3.8/4, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like La Serena, Tololo Observa, etc.

Table with columns: Code, Station Name, Az, Az', Phase I, Time, Res. Rows include AC01 Pan de Azucar, GO05 Hualane, GO02 Mina Guanaco, etc.

MOS 20:47:56.8,0.8,5:66N,121:60E,h40km,mb5.0/56, Error ellipse: s-maj=10.1km s-min=4.3km az=114.5, DJA 20:47:57.0,1.7,6 N,45.12 E, h20km,1.4km, M5.2/22, mb5.2/22, mb5.6/12, MLv5.2/12, Mw(mB)5.1/12, MwMwp4.8/1, Mwp5.2/1, BUJ 20:47:57.1,5:38N,121:73E,h11km,mb5.1/19,mb4.8/53, Ms4.5/23, Ms7.4/2/30, IDC 20:47:59.0,3.0,5:65N,121:60E,h41km,28km,mb4.3/27, mbtmp4.6/29,ML4.7/2,MS3.8/21, Error ellipse: s-maj=19.4km s-min=10.7km az=73.0, NEIC 20:47:48.0,6.1,2.5:66N,0:06E,121:63E,0:06,h51km,7km, mb4.8/142, Error ellipse: s-maj=9.8km s-min=7.5km az=154.0, ISC 20:47:59.3,0.4,5:62N,121:61E,0:05,h46km,3km, h46km,p-P,n542,0:59/509,mb4.8/167,MS4.0/30, 17C-9D, Ceblebes Sea

Main table for 1159 with columns: Code, Station Name, Az, Az', Phase I, Time, Res. Rows include MYLDM Lahad Datu, DAV Davao City (W), DAV Davao City (E), etc.

Main table for 2019 JAN with columns: Code, Station Name, Az, Az', Phase I, Time, Res. Rows include PZH WBO, WRAB Tennant Creek, WRAB Tennant Creek, etc.

Main table for 20d 7h with columns: Code, Station Name, Az, Az', Phase I, Time, Res. Rows include STKA Stephens Creek, STKA Stephens Creek, STKA Hallett, etc.

20d 7h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CHKK Chushtkaly, AAK Ala-Archa, and various other regional stations.

2019 JAN

Table with columns for station name, frequency, power, and other technical details. Includes stations like TNA Tin City, K13K Kusilvak Mount, and various other regional stations.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like E19K Redstone River, F14K Arctic Creek, and various other regional stations.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like MCK McKinley, E24K Your Creek, BR104 Keskin Array S, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like I28M Miner Creek, BVCV Beaver Creek, E29M Blow River, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like LCO Las Campanas, AROD Rodeo, AC04 Llanos de Chal, etc.

Table with columns: Station Name, Time, Res, Phase ID, and various codes. Includes stations like PMNB Patos De Minas, BDFB Brasilia, SNDB Serra Nova Dou, etc.

RSNC 20 09:30:26.5 0.0, 9°N, 2°7'7"W, h46km±3km, M2.0, ML2.0, Panama-Colombia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like CAPC Capurgana, LCBC Los crdobas, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like GUMO Guam, GUMU GUMO, GUMU GUMU, etc.

Main table with columns: Station Name, Time, Res, Phase ID, and various codes. Includes stations like H1N1 WAKE ISLAND Hy 21.31, H1N2 WAKE ISLAND Hy 21.32, etc.

Table with columns: Station Name, Time, Res, Phase ID, and various codes. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, J16K Anvik River, etc.

SSNC 20 09:38:19.7 1.0, 21°21'N, 70°94'W, h20km±15km, MD3.8, ML2.4, MVW2.5

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like GRTK Grand Turk, SDDR Presa de Saban, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like AC02 Maricunga, AC01 Pan de Azucar, BO01 Tunca, BO02 Sierra Bellavi, GO05 Hualane.

IDC 20 10:10:11.6:4.0, 42.41N:46.12E, h0km, mb3.3/3, mblmp3.3/5, ML2.8, MS3.5/1, Error ellipse: s-maj=89.3km s-min=14.2km az=10.0

NORS 20 10:10:13.6, 42.80N:46.32E, h6km, MPVA4.6 DRS 20 10:10:13.7, 42.80N:46.32E, h9km MDS 20 10:10:13.4, 42.80N:46.32E, h7km, MPVA4.4

TIF 20 10:10:14.0, 42.81N:46.28E, h5km IFC 20 10:10:14.0, 42.81N:46.28E, h5km

OS 20 10:10:11.2, 42.80N:46.34E, 0.01, h9km, gkm, n112, r139/201, mb2.8/3, 7C-6D, Eastern Caucasus

Main table for station data on the left side, including BTLR Botlikh, UNCR Uncukul, UNCR Karanay, UNCR Dubki, ARKR Arakani, BUJR Buynaks, GROG Groznyy, GNBR Gunib, MAK Makhachkala, KMGR Kumukh, SHTL Shatili, LGD Lagodekhi, SGKR Sergokala, KMGR Komgaron, AKTO Akt'yubinsk, URKR Urkarakh, VLKR Vladikavkaz, MTEO Meteo, GUDG Gudauri, BTKR Batakoyurt, LACR Lac, DGRG David-gareji, ARNR Ardon.

Main table for station data on the right side, including ARNR Vashlovani, TBLG Delisi, DRN Derbent, AKT Aktyubinsk, KORA Kora, DIGR Digorskoe uzhe, KBTB Kuba-Taba, KBZ Khabaz, ARKR Arkhyz, ANN Anapa, BELG Belogoroye, AKTO Akt'yubinsk, URKR Urkarakh, VLKR Vladikavkaz, MTEO Meteo, GUDG Gudauri, BTKR Batakoyurt, LACR Lac, DGRG David-gareji, ARNR Ardon.

Table for station data on the far right side, including PECV Guagua de Ca P, CAB1 Cabo Pasado-Ma, JAMA Jama, MILO Milagro-Astado, FLF1 Flavio Alfaro, BMBP Baltzapamba Mon, JSCH Cascha Tororas, TAMH Tambohusa Ch, PORT Chimborazo Vol, BMAS Trigal station, BPAT Tungurahua Vol, BULB Balzapamba Mon, SLOP San Lorenzo, BRNR Barrancas-Volc, CAMI Rancho Maria, BNAS Cotopaxi Volca, BDEF Cotopaxi Volca, VCES Cotopaxi Volca, GGPT Toaza - Volcan, BVC2 Cotopaxi Volca, BTAM Cotopaxi Volca, TERV Terraza Guagua, GGPC Guagua Pichin, PINO Pinar, PACI Pacto, Paraso, BOSC San Juan Bosco, PULO Pululhua, PUVO Puyo, Santa Ro, ANTS Antis, OTAV Otavalo, CUSE Cuicocha Este, CUSW Cuicocha Oeste, CUIC Cuicocha-Domo, ARDO Archidona, Ten, COTA Cotacachi, IMBA Imbabura, San, URCU Urcuqui, ANGU Angureal, YAHU Yahuarcocha, ZUMU Zumbato, CHMA Chilma, CHL1 Volc'n Chile, CHL2 Volc'n Chile, TULM Tulcan-Chalpat, CASC Dorado de Casc, FLOC Florencia, PTLC Puerto Leguiza.

DRS 20 10:12:35.6, 42.83N:46.32E, h24km NORS 20 10:12:35.1, 42.78N:46.33E, h6km, MPVA3.9 MOS 20 10:12:34.7, 42.79N:46.32E, h7km, MPVA3.8, 8C-2D, Eastern Caucasus

Main table for station data on the far right side, including BTLR Botlikh, UNCR Uncukul, UNCR Karanay, UNCR Dubki, ARKR Arakani, BUJR Buynaks, GROG Groznyy, GNBR Gunib, MAK Makhachkala, KMGR Kumukh, SHTL Shatili, LGD Lagodekhi, SGKR Sergokala, KMGR Komgaron, AKTO Akt'yubinsk, URKR Urkarakh, VLKR Vladikavkaz, MTEO Meteo, GUDG Gudauri, BTKR Batakoyurt, LACR Lac, DGRG David-gareji, ARNR Ardon.

NYDR	Nydrí-Lefkada	1.05	0	P	Pg	10 39 40.6	-1.7
NYDR	comp=N,4um,0.8s			S	Sn	10 39 57.0	+0.6
NYDR	Nydrí-Lefkada	1.05	0	P	Pg	10 39 40.7	-1.6
UPR	University Cam	1.07	54	S	Pn	10 39 42.5	+0.3
UPR	comp=N,54um,0.8s			S	Sn	10 39 59.3	+2.4
ITM	Ithomi	1.10	116	P	Pn	10 39 42.5	-0.2
ITM	Ithomi	1.10	116	P	Pn	10 39 42.2	+0.5
ITM	comp=N,2um,0.7s			S	Sn	10 39 58.8	+1.2
ITM	Ithomi	1.10	116	P	Pn	10 39 42.8	+0.1
ITM	comp=N,5448um,0.8s			AML	AML	10 40 08.5	
ITM	Ithomi	1.10	116	P	Pn	10 40 08.9	
LKD2	Lefkada island	1.13	359	P	Pb	10 39 42.4	-0.7
LKD2	comp=E,7um,0.6s			S	Sn	10 39 59.3	+0.9
LKD2	Lefkada island	1.13	359	P	Pb	10 39 42.2	-1.0
LKD2	comp=E,13762um,0.6s			AML	AML	10 40 07.0	
LKD2	Lefkada island	1.13	359	P	Pb	10 39 42.2	-1.0
LKD2	comp=N,13462um,0.6s			AML	AML	10 40 10.0	
TSLK	Tsoukalades, L	1.16	359	P	Pb	10 39 42.9	-0.9
TSLK	comp=N,6um,0.6s			S	Sn	10 40 01.3	+2.1
TSLK	Tsoukalades, L	1.16	359	P	Pb	10 39 42.8	-0.9
KLK	Kalavryta, Ach	1.22	71	P	Pb	10 39 43.7	-1.0
KLK	comp=N,2um,0.9s			S	Sn	10 40 03.9	+3.2
KLK	Kalavryta, Ach	1.22	71	P	Pb	10 39 44.2	-0.2
KLK	comp=E,2577um,0.7s			AML	AML	10 40 11.7	
KLK	Kalavryta, Ach	1.22	71	P	Pb	10 40 12.2	
ALIK	Alikí, Aigiáli	1.27	62	P	Pg	10 39 45.2	-1.4
ALIK	Goura	1.34	78	P	Pb	10 40 04.7	+2.8
GUR	Goura	1.34	78	P	Pb	10 39 46.3	-1.5
GUR	comp=E,8234um,0.5s			AML	AML	10 40 14.0	
GUR	Goura	1.34	78	P	Pb	10 39 46.3	-1.5
GUR	comp=N,8682um,0.5s			AML	AML	10 40 19.3	
ANX	Ano Chora	1.35	46	P	Pn	10 39 46.0	-0.3
ANX	Ano Chora	1.35	46	P	Pn	10 40 08.2	+2.6
ANX	Ano Chora	1.35	46	P	Pn	10 39 46.3	-0.6
ANX	comp=N,31134um,0.6s			AML	AML	10 40 11.9	
ANX	Ano Chora	1.35	46	P	Pn	10 40 12.8	
KALE	Kalitheia	1.36	57	P	Pb	10 39 46.2	-0.9
KALE	comp=E,5um,0.7s			S	Sg	10 40 07.4	+1.5
KALE	Kalitheia	1.36	57	P	Pb	10 39 46.3	-0.9
KALE	comp=N,9228um,0.7s			AML	AML	10 40 14.5	
KALE	Kalitheia	1.36	57	P	Pb	10 40 14.5	
EVR	Evrýtania	1.53	35	P	Pg	10 39 50.6	-0.9
EVR	comp=N,2um,0.8s			S	Sg	10 40 12.4	+0.9
TETR	Tetrakomo, Epi	1.74	15	P	Pb	10 39 53.3	-0.4
TETR	comp=N,6949um,0.5s			AML	AML	10 40 26.2	
TETR	Tetrakomo, Epi	1.74	15	P	Pb	10 39 53.3	-0.4
TETR	comp=N,10741um,0.8s			AML	AML	10 40 27.2	
MAKR	Makrakomí, Fth	1.77	40	P	Pb	10 39 53.9	-0.2
MAKR	comp=N,10741um,0.8s			AML	AML	10 40 27.2	
MAKR	Makrakomí, Fth	1.77	40	P	Pb	10 39 53.8	-0.2
MAKR	comp=N,10741um,0.8s			AML	AML	10 40 27.2	
MAKR	Makrakomí, Fth	1.77	40	P	Pb	10 39 53.8	-0.2
MAKR	comp=N,10741um,0.8s			AML	AML	10 40 27.2	
LTK	Loutrakí	1.84	78	P	Pg	10 39 55.9	-1.4
LTK	comp=E,316um,0.6s			AML	AML	10 40 39.3	
LTK	Loutrakí	1.84	78	P	Pg	10 40 40.8	
LTK	comp=N,482um,1.0s			AML	AML	10 40 40.8	
IGT	Igoumenítsa	1.89	352	P	Pn	10 39 54.9	+1.3
IGT	Igoumenítsa	1.89	352	P	Pn	10 39 55.4	-0.7
IGT	Igoumenítsa	1.89	352	P	Pn	10 40 20.4	+0.9
IGT	Igoumenítsa	1.89	352	P	Pn	10 39 55.1	+1.4
IGT	comp=N,1748um,0.6s			AML	AML	10 40 35.6	
IGT	Igoumenítsa	1.89	352	P	Pn	10 40 42.5	
AXAR	Agios Charalam	1.91	54	P	Pb	10 39 55.9	-0.5
AXAR	comp=N,9301um,1.0s			AML	AML	10 40 37.5	
AXAR	Agios Charalam	1.91	54	P	Pb	10 39 55.6	-0.8
AXAR	comp=N,9301um,1.0s			AML	AML	10 40 37.5	
AXAR	Agios Charalam	1.91	54	P	Pb	10 39 57.5	-1.0
AXAR	comp=N,1300um,0.8s			AML	AML	10 39 59.1	-1.8
VLJ	Vellai	2.03	117	P	Pg	10 39 57.5	-1.0
VLJ	comp=N,1392um,1.0s			AML	AML	10 40 39.0	
VLJ	Vellai	2.03	117	P	Pg	10 40 44.2	
VLJ	comp=N,1392um,1.0s			AML	AML	10 40 44.2	
LKR	Lokris	2.07	61	P	Pb	10 39 59.1	-0.2
LKR	comp=E,1125um,0.4s			AML	AML	10 40 36.7	
LKR	Lokris	2.07	61	P	Pb	10 39 59.1	-0.2
LKR	comp=E,1224um,0.8s			AML	AML	10 40 40.8	
VIL2	Platees	2.11	74	P	Pb	10 39 59.5	-0.4
VIL2	comp=E,2782um,0.6s			AML	AML	10 40 45.4	
VIL2	Platees	2.11	74	P	Pb	10 40 46.4	
VIL2	comp=N,2217um,0.8s			AML	AML	10 40 46.4	
VILL	Villia	2.14	76	P	Pb	10 39 59.4	-1.0
KEK	Kerkira	2.16	342	P	Pn	10 39 59.2	+1.8
KEK	Kerkira	2.16	342	P	Pn	10 39 58.8	+1.4
KEK	Kerkira	2.16	342	P	Pn	10 39 59.3	+1.9
KEK	Kerkira	2.16	342	P	Pn	10 40 40.2	
KEK	comp=N,1516um,0.6s			AML	AML	10 40 40.2	
KEK	Kerkira	2.16	342	P	Pn	10 40 40.2	
THL	Klokotos Trika	2.17	28	P	Pb	10 40 00.2	-0.6
THL	Klokotos Trika	2.17	28	P	Pb	10 40 00.7	-0.2
THL	Klokotos Trika	2.17	28	P	Pb	10 40 00.7	-0.2
THL	comp=N,1493um,0.6s			AML	AML	10 40 38.1	
THL	Klokotos Trika	2.17	28	P	Pb	10 40 38.1	
SRN	Sarande	2.28	347	P	Pn	10 40 00.3	+1.3
KPRO	Kipourio	2.35	13	P	Pb	10 40 03.3	-0.7
KPRO	comp=E,2998um,0.6s			AML	AML	10 40 43.2	
KPRO	Kipourio	2.35	13	P	Pb	10 40 48.4	
KPRO	comp=N,2509um,0.8s			AML	AML	10 40 48.4	
TYRN	Tyrnavos	2.38	30	P	Pb	10 40 03.1	-1.4
TYRN	Tyrnavos	2.38	30	P	Pb	10 40 03.1	-1.4
ATH	Athens Observa	2.42	82	P	Pb	10 40 04.9	-0.3
VLY	Voula,Athens	2.47	85	P	Pb	10 40 04.3	-1.7
VLY	Voula,Athens	2.47	85	P	Pb	10 40 04.7	-1.3
VLY	Voula,Athens	2.47	85	P	Pb	10 40 47.0	
VLY	comp=E,836um,0.6s			AML	AML	10 40 47.0	
VLY	Voula,Athens	2.47	85	P	Pb	10 40 50.9	
LSK	Leskovik	2.49	358	P	Pn	10 40 04.0	+2.1
PTL	Penteli	2.54	80	P	Pb	10 40 05.1	-2.2
PTL	Penteli	2.54	80	P	Pb	10 40 05.5	-1.8
PTL	Penteli	2.54	80	P	Pb	10 40 51.7	
PTL	comp=N,1136um,1.1s			AML	AML	10 40 54.4	
PENT	Pentalofos	2.56	8	P	Pb	10 40 06.0	-1.6
NEO	Neokhorí	2.60	48	P	Pb	10 40 05.6	-2.7
XOR	Xorichí	2.77	6	P	Pb	10 40 09.3	-1.8
NEST	Nestorio	2.77	6	P	Pb	10 40 09.3	-1.8
NEST	Nestorio	2.77	6	P	Pb	10 40 09.4	-1.7
LIT	Litokhoron	2.81	29	Pn	Pn	10 40 08.3	+2.0
LIT	Litokhoron	2.81	29	Pn	Pn	10 40 08.8	+2.4
KYMI	Kymi, Euboea I	2.86	69	P	Pb	10 40 09.3	-3.1
AOS	Alonnisos	2.93	58	P	Pn	10 40 09.8	+1.9
SCTE	Santa Cesarea	2.97	325	P	Pn	10 40 09.5	+1.1
KARY	Karystos	2.99	82	P	Pb	10 40 11.4	-3.5

FNA	Florida	3.17	10	Pn	Pn	10 40 13.3	+2.1
FNA	Florida	3.17	10	Pn	Pn	10 40 13.6	+2.4
FNA	Florida	3.17	10	Pn	Pn	10 40 13.2	+2.0
OHR	Ohríd	3.45	1	Pn	Pn	10 40 18.2	+3.1
PLG	Polygyros	3.46	38	P	Pn	10 40 17.4	+2.2
HOI	Hortice	3.49	32	P	Pn	10 40 17.9	+2.2
OUR	Ouranopolis	3.70	43	P	Pn	10 40 20.8	+2.3
TIR	Tirane	3.74	350	Pn	Pn	10 40 20.0	+1.0
CEL	Celeste	3.83	280	Pn	Pn	10 40 21.7	+1.3
KNT	Kendrikon	3.89	25	Pn	Pn	10 40 23.6	+2.4
VAY	Valandovo	3.94	21	Pn	Pn	10 40 25.9	+4.2
PHP	Reshkopje	4.02	357	P	Pn	10 40 17.9	+2.2
KOKK	Kokkinochori,	4.07	38	Pn	Pn	10 40 25.9	+2.3
SRS	Serrai	4.12	32	Pn	Pn	10 40 26.4	+2.1
SRS	Serrai	4.12	32	Pn	Pn	10 40 26.3	+2.0
SRS	Serrai	4.12	32	Pn	Pn	10 41 09.4	-2.8
ANO	Anoyia	4.13	124	Pn	Pn	10 40 28.2	+1.7
ANO	Anoyia	4.13	124	Pn	Pn	10 41 25.0	+0.5
ANO	comp=E,5.2nm,0.9s,baz=159,slow=21,SNR=1.6			Sn	Sn	10 41 12.6	+0.1
IDI	Idi	4.13	124	Pn	Pn	10 41 12.6	+0.1
IDI	comp=E,9.8nm,0.3s,baz=319,slow=18,SNR=12			LR	LR	10 42 12.1	
MATE	Matera	4.30	315	Pn	Pn	10 40 30.6	+3.9
PUK	Pukara	4.42	352	Pn	Pn	10 40 29.4	+0.9
PEHC	Pehcevo	4.45	22	Pn	Pn	10 40 31.7	+2.8
CUC	Castrovazzo	4.46	34	Pn	Pn	10 40 35.0	+1.5
PDG	Podgorica	4.49	347	Pn	Pn	10 40 35.2	+0.4
PDG	Podgorica	4.49	347	Pn	Pn	10 40 33.9	-0.9
PDG	Podgorica	4.49	347	Pn	Pn	10 40 35.2	+0.4
VAE	Valguarnera	4.99	270	Pn	Pn	10 40 36.7	+0.5
VAE	comp=E,5.6nm,0.3s,baz=57,slow=14,SNR=1.3			Sn	Sn	10 41 33.5	-0.2
VAE	Valguarnera	4.99	27				

20d 11h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like GUR, KALE, AXAR, JAN, VLI, LKR, KEK, VIL2, VILL, THL, SRN, KPRO, TYRN, ATH, LSK, VLY, PENT, PTL, XOR, NEST, KZN, KZN, KYMI, SCTE, AOS, KARY, FNA, OHR, HORT, SPIR, CEL, KNT, VAY, SRS, IDI, PUK, CUC, NVR, PEHC, PDG, VAE, VAEE, RAFF, RDO, BARS, WDD, ALN, VTS, SELS, SJES, PAOL, ZAPS, GOCs, IVAS, GRUS, BBLs, TRIV, DUS, AVAS, FRGS, MFRG, MLR, BOJS, VSL, CHES, KEST, GROS, SABO.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SOKA, OBKA, ARSA, BRTR, CIMO, CTI, ABTA, BIOA, WTTA, WTTA, FUORN, SQTA, VRAC, DAVOX, DAVOX, DAVOX, TUE, GERES, GERES, GERES, KHC, MMAI, SENIN, AKASG, AKAB, CLL, CLL, KBZ, ESDC, HFS, EKA, FINES, FINES, FIA1, NC405, NB2, NOA, NOA, KIRV, TORD, ABKAR, ARCES, ARCES, BORG, BVAR, KKAR, ARSB, SPITS, KURBB, MK31, MKAR, ZAAO, ZAAO, ZALV, LSZ, SONM, CMAR, YKA, KDAK, IDC 20 10:44:00.1, IDC 20 10:44:03.2, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SOKA, OBKA, ARSA, BRTR, CIMO, CTI, ABTA, BIOA, WTTA, WTTA, FUORN, SQTA, VRAC, DAVOX, DAVOX, DAVOX, TUE, GERES, GERES, GERES, KHC, MMAI, SENIN, AKASG, AKAB, CLL, CLL, KBZ, ESDC, HFS, EKA, FINES, FINES, FIA1, NC405, NB2, NOA, NOA, KIRV, TORD, ABKAR, ARCES, ARCES, BORG, BVAR, KKAR, ARSB, SPITS, KURBB, MK31, MKAR, ZAAO, ZAAO, ZALV, LSZ, SONM, CMAR, YKA, KDAK, IDC 20 10:44:00.1, IDC 20 10:44:03.2, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MKAR, ILAR, BVAR, NVAR, NOKA, ELIS, CSTR, CROK, CROK, KAN14, GC02, DRZT, KAN17, KAN17, KAN08, KAN08, KAN09, KAN13, BLOK, OKCSW, WMOK, SMWJ, SMWD, FNO, OK051, OK051, OK051, OK052, X34A, W35A, DEOK, NEIC 20 10:55:36.8, IDIC 20 11:13:09.2, IDIC 20 11:13:06.5, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MKAR, ILAR, BVAR, NVAR, NOKA, ELIS, CSTR, CROK, CROK, KAN14, GC02, DRZT, KAN17, KAN17, KAN08, KAN08, KAN09, KAN13, BLOK, OKCSW, WMOK, SMWJ, SMWD, FNO, OK051, OK051, OK051, OK052, X34A, W35A, DEOK, NEIC 20 10:55:36.8, IDIC 20 11:13:09.2, IDIC 20 11:13:06.5, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error.

20d 12h

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res, ISC. Includes stations like MARVS Santiago de Cu, MARVS Pinare de May, MARVS Holguin, etc.

NEIC 20 11:54:23.0-0.7, 36°87'2N-0°10'97.72W-0°10, h6km, 2km, Error ellipse: s-maj=1.7km s-min=1.4km az=63.0

NEIC 20 11:54:23.1-0.5, 36°86'6N-0°00'89.72W-0°10, h2km, 1km, ML2.0/37, ML2.5/20, Error ellipse: s-maj=1.5km s-min=1.1km az=60.0, Oklahoma

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res, ISC. Includes stations like G002 Grant County #, KAN17 Caldwell West, KAN17 Manchester OK, etc.

SJA 20 12:17:49.0, 30°07'S; 71°50'W, h10km, ML2.9 GUC 20 12:17:52.0-0.5, 30°14'S; 71°17'W, h5km, 3km, ML2.8

ISC 20 12:17:51.6-1.6, 30°09'S-0°04'71.42W-0°07, h6km, 10km, n27, r198/32, 1C-1D, Near coast of central Chiapas

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res, ISC. Includes stations like CO05 La Serena, CO05 Tololo Observatorio, CO05 El Pedregal, etc.

IDC 20 12:21:06.3-0.7, 13°26'N-57°54'E, h0km, mb3.8/17, mbtmp3.8/17, MS3.4/20, Error ellipse: s-maj=20.1km s-min=18.1km az=4.0

NEIC 20 12:21:10.8-2.3, 13°43'N-0°06:57.40E-0°10, h10km, 1km, mb4.4/30, Error ellipse: s-maj=18.4km s-min=6.0km az=120.0

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ISC 20 12:21:08.7-0.6, 13°33'N-0°1:57.47E-0°08, h10km, n78, r138/67, mb4.2/40, MS3.4/19, Owen Fracture Zone region

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res, ISC. Includes stations like WSAR Wadi Sarin, ATT Arta Tunnel, RAYN Ar Rayn, etc.

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comp=Z,1.3nm,1.0s KSR5 Korea Array 66.55 55 P 12 31 57.7 -1.5

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res, ISC. Includes stations like KSR5 Korea Array, YAK Yakutsk, TIXI Tiksi, etc.

IDC 20 12:25:31.7-1.6, 3°43'S; 144°36'E, h0km, mb3.5/4, mbtmp3.5/7, ML2.8/3, MS2.6/2, Error ellipse: s-maj=29.7km s-min=28.1km az=58.0

ISC 20 12:25:35.9-1.3, 3°55'S-0°1:144.3E-0°1, h26km, n14, r0574/9, mb3.6/4, Near north coast of New Guinea

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, JAY Alice Springs, PMG Port Moresby, etc.

JMA 20 12:25:42.9-0.2, 23°N; 1°12:27.7E-0°8, h50km, MV3.2/17, FAR S OFF ISHIGAKIJIMA

TAP 20 12:25:44.2, 22°97'N-122°72'E, h61km, 1km, ML3.3, D ISC 20 12:25:44.1-1.2, 22.966N-103.3, 122.78E-0°03, h50km, n132, r155/246, Taiwan region

Table with columns: Code, Station Name, A° AZ', Phase ID, Time, Res, ISC. Includes stations like EOS4 EOS4, LDUT Ludao, ECBN Changbin, etc.

Table with columns: Station Name, Time, Res, and other identifiers. Includes stations like LXIB Xiulin Townshi, EAHA Aohua, WVDT WVDT, etc.

Table with columns: Station Name, Time, Res, and other identifiers. Includes stations like TWS1 Kuangyingshan, TSKC Chigu Township, ANPU Anpu, etc.

TRN 20 12:30:59.9, 17.41N, 62.05W, h14km, MD3.6, South-west of Barbuda, Leeward Islands

Table with columns: Code, Station Name, Time, Res, and other identifiers. Includes stations like ANWB Willy Bob, ANWB Bethesda, Anti, etc.

NEIC 20 12:43:54.1, 0.8, 30.27S, 0.09, 177.7W, 0.2, h35km, 2km, mb4.3/10, Error ellipse: s-maj=25.8km s-min=15.5km az=93.0

ICD 20 12:43:54.4, 3.8, 30.27S, 177.74W, h42km, 26km, mb3.8/6, mbmp4.0/6, MS3.1/1, Error ellipse: s-maj=35.8km s-min=18.7km az=126.0

ISC 20 12:43:52.4, 0.8, 30.37S, 0.07, 177.7W, 0.1, h33km, n39, 1937/33, mb4.2/9, Kermadec Islands

Large table with columns: Code, Station Name, Time, Res, and other identifiers. Includes stations like RAO Raoul Island, URZ Urewera, THZ Tophouse, etc.

Table with columns: Station Name, Time, Res, and other identifiers. Includes stations like ASAR Alice Springs, H11S2 WAKE ISLAND Hy 41.43, etc.

NDI 20 13:08:59.0, 3.0, 20.01N, 72.98E, h10km, 14km, ML3.8, MW3.6

IDC 20 13:09:00.2, 22.0, 20.88N, 72.36E, h0km, mb3.6/3, mbmp3.6/3, MS3.2/1, Error ellipse: s-maj=592.3km s-min=81.8km az=144.0

ISC 20 13:05:21.3, 19.86N, 0.06, 73.24E, 0.09, h10km, n20, 3501/28, mb3.6/3, Southern India

Large table with columns: Code, Station Name, Time, Res, and other identifiers. Includes stations like BOM Bombay, POO Poona, BHV Bhavnagar, etc.

20d 14h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cerro Villicun, El Roble, Cerro Valdivia, etc.

GUC 20 13:24:18.7,0.4, 30'20S, 71'20W, h54km, 2km, ML2.1, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like La Serena, Tololo Observa, El Pedregal, etc.

KRSC 20 13:48:51.9,0.9, 55'02N, 164.78E, h46km, 24km, MI3.6, Komandorski Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Kiyuchi, etc.

IDC 20 14:05:06.5,0.9, 52.44S, 13.21E, h0km, mb3.9/6, mbtmp4.0/6, MS3.4/6, Error ellipse: s-maj=42.7km, s-min=25.4km, az=75.0

ISC 20 14:05:07.9,1.0, 52.4S, 0.1x13.3E, h10km, n20, e070/11, mb4.0/5, MS3.2/6, SC, Southwest of Africa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Troll, Antarti, Sanae, etc.

IDC 20 14:05:28.2,0.6, 13.28N, 80.95W, h0km, mb4.2/17, mbtmp4.2/21, ML3.2/5, MS3.6/17, Error ellipse: s-maj=19.4km, s-min=13.2km, az=50.0

NEIC 20 14:05:29.6,2.9, 13.14N, 0.06-81.07W, 0.5, h10km, 1km, mb4.5/90, Error ellipse: s-maj=11.9km, s-min=6.1km, az=220.0

RSNC 20 14:05:29.3,0.0, 13.1N, 1.8-1W, h2km, 2km, M4.5, mb4.8, mb5.5, ML3.9, Mw4.3, Mw(MB)5.0

ISC 20 14:05:29.1,0.4, 13.22N, 80.04-81.03W, 0.04, h10km, n351, e179/347, mb4.5/56, MS3.6/14, Caribbean Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Isla de Provid, Isla e San And, Banco Serrana, etc.

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Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JTS, MGAL, GMAL, AZU, CACAO, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SJG, SJG, SJG, PDRP, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like WTLY, R33M, Q32M, P33M, N32M, S31K, SKAG, PLBC, M31M, P30M, N31M, P29M, C36M, HYT, N30M, M30M, YUKA, M29M, J30M, YUK8, L29M, K29M, I30M, G31M, F31M, YUK3, J29M, A36M, SUMG, INK, INK, EPYK, BVCV, DAWY, DAWY, G30M, I29M, F30M, M27K, H29M, L27K, G29M, I28M, M26K, EGAK, BMRM, L26K, E29M, I27K, Q23K, EYAK, F28M, H27K, J26L, SCRK, SCRK, E28M, G27K, L25K, I26K, D28M, RIDG, PAX, M24K, P23K, E27K, K24K, J25K, D27M, SCM, G26K, M23K, PWL, PRP, KNK, SML, F26K, HDA, IL31, ILAR.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like PMR, RC01, F25K, C27K, COLA, RND, E25K, BRSE, MCK, H24K, G24K, NEA2, NEA2, CUT, SUA, C26K, TRF, I23K, F24K, KDAK, D25K, SKT, SPCR, E24K, BPAW, G23K, G23K, PPLA, CAST, E23K, COLD, D24K, CHUM, C24K, TOLK, M20K, H22K, G22K, L20K, D23K, N19K, CHIR, H21K, M19K, P18K, K20K, O18K, J20K, J20K, L19K, G21K, I20K, F21K, N18K, M18K, P17K, H20K, J19K, TTA, O17K, B22K, N17K, ESDC, J18K, F20K, C21K, M17K, H19K, P16K, GCSA, CHGN, EKA, G19K, A22K, L17K, K17K, D20K, F19K, H18K, J17K, A21K, G18K, L16K, O15K.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like D19K, H17K, F18K, J16K, I17K, G17K, L15K, E17K, H16K, G16K, B18K, L14K, D17K, C17K, J14K, FALS, G15K, F15K, K13K, C16K, ANM, F14K, M11K, TNA, TORD, CLL, KEST, GERES, ARCES, FINES, ASAR, WRA, CMAR.

IDC 20 14:06:38.0±2.1, 12°90'S:45°40'E, h0km, mb3.5/3, mbmp3.9/5, ML4.6/2, Error ellipse: s-maj=57.9km s-min=32.8km az=169.0

NEIC 20 14:06:41.4±1.2, 13°1'S:0°1'x:45°40'E:0.1, h10km, 2km, mb4.3/2, Error ellipse: s-maj=19.9km s-min=13.7km az=211.0

ISC 20 14:00:40.6±0.9, 13°12'S:0°09'45"E:0.1, h10km, n11, s=15°13', mb3.6/4, Error ellipse: s-maj=19.9km s-min=13.7km

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like OPO, OPO, ABPO, JPO, RER, KMB, LSZ, LSZ, BOSA, ULN, ULN, ASAR, WRA.

NAO 20 14:12:43.8±0.6, 66°81'N:13°98'E, ML2.9 UPP 20 14:12:44.5±1.5, 66°81'N:13°81'E, h0km, ML2.3 IDC 20 14:12:45.6±1.4, 66°82'N:14°07'E, h0km, mbmp3.1/4, ML2.4/4, Error ellipse: s-maj=14.07km s-min=7.2km az=120.0

BER 20 14:12:45.6±3.0, 66°83'N:13°83'E, h0km, 7km, ML2.2, MW2.6, ML2.9(NAO), Confirmed Earthquake HEL 20 14:12:45.1±0.1, 66°83'N:13°85'E, h5km, 1km, ML2.4, ML2.2(BER), ML2.3(UPP), Confirmed Earthquake

ISC 20 14:12:44.6±0.8, 66°81'N:02°13'32"E:0.03, h10km, n104, s=197°158.5D, Northern Norway

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like KONS, KONS, KONS, KONS, KONS, KONS, KONS, KONS, KONS, KONS, KONS, KONS, MOR8, MOR8, MOR8, MOR8, LEIR, LEIR, LEIR, FAUS, FAUS.

AKTO Aktyubinsk 11.06 42 I S Sn 14 27 11.4 -6.6
AB31 Akbulak array 11.43 51 P Pn 14 25 20.7 +1.4
AB31 Akbulak array 11.43 51 P Pn 14 25 20.7 +1.4
BRVK Borovoye 18.95 49I eP Pmax 14 27 00.9 +3.1

DJA 20 14:24:31.5-1.4, 1°N, 3°E, h24km±14km, M3.6/12, mB4.8/1, mb3.5/2, ML3.6/12, Mw(MB)4.0/1, Northern Molucca Sea

DMN 20 14:28:26.1-0.0, 31°03'N-87°93'E, h10km, M15.2/5, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0
IDC 20 14:28:27.6-0.3, 30°26'N-87°65'E, h0km, mb5.0/41, mbtmp5.0/45, ML3.9/3, MS4.0/60, Error ellipse: s-maj=10.8km s-min=8.7km az=34.0
MOS 20 14:28:27.7-0.9, 30°29'N-87°63'E, h9km, mb5.4/64, MS4.1/11, Error ellipse: s-maj=6.2km s-min=3.1km az=121.0

BUI 20 14:28:29.3, 30°06'N-87°74'E, h10km, mB5.2/40, mb4.9/71, ML4.5/2, Ms4.9/72, Ms7.4/77
BGR 20 14:28:29.9, 29°79'N-88°03'E, h33km, mb4.8
RSNC 20 14:28:30.1, 0.4, 30°14'N-101°8'8"E, h10km, MLV5.2, Hypocentre not reviewed by the ISC

NEIC 20 14:28:30.3, 1.4, 30°39'N-107°87.6'E, h10km±3km, mb5.2/233, Error ellipse: s-maj=11.1km s-min=9.3km az=218.0
NDI 20 14:28:31.5-3.9, 30°44'N-87°67'E, h10km±13km, ML5.0, MW5.0, mb5.2(NEIC)
GCMT 20 14:28:31.3-0.2, 30°20'N-102°87.77E±0.01, h20km, MW5.0/97, Moment Tensor Solution. s55,c63; s97,c162; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=3.77±.14; Mw=0.29±.10; Mv=0.46±.09; Ms=0.65±.23; Mh=0.40±.07; Mz=-1.12±.17; Best double couple; M44, 1.4500e+10; NP1=183.0000e+; 337.0000e+; -77.0000e+; NP2=6347.0000e+; 654.0000e+; -100.0000e+; Principal axes: T 4.2690, P1g.0000e+; Azm84.0000e+; N -0.2530; P1g.0000e+; Azm353.0000e+; P -4.0200, P1g78.0000e+; Azm219.0000e+; nstai refers to body waves, cutoff=40s. nst2a refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 20 14:28:29.4-0.5, 30°33'N-103°87.60E±0.02, h8km±2km, h8km: pP, n1031, c1944/1027, mb5.1/280, MS4.1/85, SBC-49D, Xizang

Code Station Name Δ° AZ° Phase ID Op ISC h m s Time Res ISC
GUN Gumba 2.85 212 Pn Pp 14 29 20.1 -0.6
GUN 7jμ, 0.9s, baz=210, slow=0.0 S S Sb 14 30 00.1 +4.3
TAPN Tapejung 2.98 178 Pn Pp 14 29 21.6 -1.2
TAPN 7jμ, 1.3s, baz=183, slow=0.0 S S Sb 14 30 02.4 +2.9
GTK Tadong 3.13 163 eP IAML 14 29 23.9 -1.5
GTK comp=N, 6jμm, 0.4s IAML 14 29 36.2
GTK comp=E, 6jμm, 0.5s IAML 14 29 37.8
GDK Odare 3.47 183 Pn Pp 14 30 01.3 +4.4
GDK baz=187, slow=0.0 S S Sb 14 29 23.9 -1.9
GDK Gorkha 3.48 229 Pn Pn 14 29 28.2 +4.2
GDK baz=224, slow=0.0 S S Sb 14 29 28.5 +4.3
DMN Ramite 3.49 195 Pn Pn 14 29 28.4 +4.2
DMN baz=196, slow=0.0 S S Sb 14 29 28.4 +4.2
DANN Damani 3.49 219 Pn Pn 14 29 28.4 +4.2
DANN baz=216, slow=0.0 S S Sb 14 29 28.4 +4.2
DANN Dangsing 3.89 240 Pn Pn 14 29 33.7 +3.9
DANN baz=235, slow=0.0 S S Sb 14 29 33.8 +4.0
KOLN Koldanda 4.34 235 Pn Pn 14 29 39.8 +4.0
KOLN baz=230, slow=0.0 S S Sb 14 29 42.3 +2.8
PYUN Piuthan 4.60 242 Pn Pn 14 29 42.3 +2.8
PYUN baz=237, slow=0.0 S S Sb 14 30 39.2 +5.8
PYUN comp=E, 1jμm, 0.8s, baz=237, slow=0.0 S S Sb 14 29 45.0 +5.1
TAWA Tawang 4.63 125 eP IAML 14 29 54.0
TAWA comp=N, 7jμm, 0.3s IAML 14 29 54.5
TAWA comp=E, 6jμm, 0.8s IAML 14 29 54.5
TAWA SHBG Sahibganj 5.10 179 eS Pn 14 30 34.1 -0.1
SHBG IAML 14 29 50.0 +3.9
SHBG comp=N, 988nm, 0.3s IAML 14 29 57.8
SHBG comp=E, 760nm, 0.3s IAML 14 29 58.5
SHBG SHL Shillong 6.07 140 Pn Pn 14 30 49.3 +4.1
SHL IAML 14 29 59.7 0.0
SHL Shillong 6.07 140 eP IAML 14 30 01.1 +1.4
SHL comp=E, 884nm, 0.7s IAML 14 30 07.2
SHL comp=N, 1jμm, 0.8s IAML 14 30 07.7
SHL Shillong 6.07 140 P Pn 14 31 11.1 +1.6
ZIRO ZIRO 6.15 116 eP Pn 14 29 59.7 0.0
ZIRO IAML 14 30 03.1 +2.4
ZIRO comp=N, 7jμm, 0.4s IAML 14 30 15.3
ZIRO comp=E, 5jμm, 0.5s IAML 14 30 15.7
ZIRO LGTI Lohaghat 6.45 264 eS Pn 14 31 11.0 -0.4
LGTI IAML 14 30 11.7 +7.1
LGTI comp=E, 2jμm, 0.7s IAML 14 30 20.6
LGTI comp=N, 3jμm, 0.5s IAML 14 30 21.1
LGTI PTH Pithoragarh 6.46 265 eS Pn 14 31 21.2 +2.8
PTH IAML 14 30 09.8 +4.9
PTH comp=N, 2jμm, 0.4s IAML 14 30 15.0
PTH comp=E, 2jμm, 0.4s IAML 14 30 16.8
PTH BOK Bokaro 6.69 194 eS Pn 14 31 19.2 +0.2
BOK IAML 14 30 10.6 +2.6
BOK comp=N, 2jμm, 0.3s IAML 14 30 11.9
BOK comp=E, 672nm, 0.9s IAML 14 30 12.0
ALBI Allahabad 7.17 227 eS Pn 14 31 25.8 +1.3
ALBI IAML 14 30 16.8 +2.2
ALBI comp=E, 717nm, 1.1s IAML 14 30 22.1
ALBI comp=N, 1jμm, 0.6s IAML 14 30 22.4
ALBI KOHIMA 7.36 127 eS Pn 14 31 37.0 +0.8
KOHIMA IAML 14 30 19.5 +2.2
KOHIMA comp=E, 4jμm, 0.6s IAML 14 30 35.0
KOHIMA comp=N, 3jμm, 0.4s IAML 14 30 35.1
KOHIMA KHUNTI 7.54 196 eS Pn 14 31 37.6 -3.6
KHUNTI IAML 14 30 16.7 -3.0
KHUNTI comp=N, 2jμm, 0.7s IAML 14 30 33.2

KNTI comp=N, 2jμm, 0.7s IAML 14 30 33.9
KNTI LKP Lehapani 7.83 110 eS Pn 14 31 35.6 -1.0
LKP comp=E, 614nm, 1.1s IAML 14 30 24.1 +0.5
LKP comp=E, 5jμm, 0.5s IAML 14 30 30.2
LKP comp=N, 3jμm, 0.5s IAML 14 30 30.2
LKP IMP Imphal 7.86 133 eS Pn 14 31 49.8 -2.6
IMP IAML 14 30 27.0 +2.9
IMP comp=N, 2jμm, 0.4s IAML 14 30 32.6
IMP comp=E, 2jμm, 1.0s IAML 14 31 33.9
IMP AZL Aizawl 7.98 144 eS Pn 14 31 49.9 -3.4
AZL IAML 14 30 29.4 +3.6
AZL comp=E, 2jμm, 0.4s IAML 14 30 38.2
AZL comp=N, 1jμm, 0.4s IAML 14 31 52.0 -4.5
AZL KALPA 8.12 281 eS Pn 14 30 31.5 +3.6
KALPA IAML 14 30 42.9
KALPA comp=E, 1jμm, 0.4s IAML 14 30 43.8
KALPA comp=N, 87nm, 1.1s IAML 14 31 58.1 -2.0
GOMU GeErMu 8.40 44 eS Pn 14 30 39.9 -3.4
GOMU S Pmax 14 32 09.8 +2.6
GOMU comp=N, 23nm, 1.6s LR LR 14 30 58.1 -2.0
GOMU comp=N, 5jμm, 5.8s LR LR 14 30 46.4 +3.2
GOMU comp=N, 5jμm, 6.2s LR LR 14 30 43.2
GOMU comp=N, 7jμm, 5.8s LR LR 14 30 28.9 -3.2
BRDH Bariadhala 8.44 154 Pn Pn 14 32 03.2 -4.4
BRDH comp=N, 149nm, 0.3s, baz=79, slow=7.3, SNR=5.8 S S Sb 14 34 43.2
BRDH comp=N, 63nm, 0.3s, baz=268, slow=22, SNR=1.5 LR LR 14 30 43.2
BRDH comp=N, 621nm, 18.0s, baz=339, slow=45 LR LR 14 30 43.2
SMLA Simla 9.02 278 eP Pn 14 30 43.7 +3.8
SMLA IAML 14 30 46.9
SMLA comp=E, 859nm, 0.3s IAML 14 30 48.9
SMLA comp=N, 1jμm, 0.0s IAML 14 32 16.6 -5.1
SMLA JHARSUGUGA 9.20 203 eS Pn 14 30 44.1 +1.6
JHARSUGUGA IAML 14 30 52.7
JHARSUGUGA comp=N, 2jμm, 0.6s IAML 14 30 53.1
JHARSUGUGA comp=N, 2jμm, 0.7s IAML 14 32 26.8 +0.4
NPLP New Delhi 9.25 262 eS Pn 14 30 46.4 +3.2
NPLP IAML 14 30 51.9
NPLP comp=E, 1jμm, 0.9s IAML 14 30 54.0
NPLP comp=N, 2jμm, 0.4s IAML 14 32 23.0 -4.4
JHansi 9.37 241 eS Pn 14 30 45.4 +0.6
JHansi IAML 14 30 50.6
JHansi comp=E, 644nm, 0.8s IAML 14 30 50.6
JHansi comp=N, 345nm, 0.3s IAML 14 32 27.0 -3.3
SONA Sohna 9.42 260 eS Pn 14 30 47.6 +2.2
SONA IAML 14 30 51.7
SONA comp=N, 958nm, 0.6s IAML 14 30 53.7
SONA comp=E, 1jμm, 0.7s IAML 14 32 28.9 -2.6
SONA DHARAMSHALA 9.86 284 eS Pn 14 30 56.6 +5.0
DHARAMSHALA IAML 14 31 01.4
DHARAMSHALA comp=N, 762nm, 0.5s IAML 14 31 04.8
DHARAMSHALA comp=E, 944nm, 1.0s IAML 14 32 39.1 -3.6
KUDL Kundal 9.95 260 eS Pn 14 30 53.5 +0.8
KUDL IAML 14 31 05.3
KUDL comp=E, 584nm, 0.8s IAML 14 31 06.3
KUDL comp=N, 400nm, 0.5s IAML 14 32 41.1 -3.5
GUNA GUNA 10.73 241I eS Pn 14 31 06.9 +3.4
GUNA IAML 14 31 14.8
GUNA comp=N, 732nm, 0.9s IAML 14 32 57.5 -6.3
TengChong 11.02 116 P Pn 14 31 07.4 -0.2
TengChong S S Sn 14 33 19.1 +0.6
TengChong S S Pmax 14 33 24.8 +1.7
TengChong comp=N, 61nm, 0.9s pmax pmax
TengChong comp=N, 150nm, 4.2s LR LR
TengChong comp=N, 3jμm, 10.0s LR LR
TengChong comp=N, 1jμm, 10.1s LR LR
TengChong comp=N, 2jμm, 13.3s LR LR
JMU Jammu 11.10 286 eP Pn 14 31 12.6 +4.2
JMU IAML 14 31 25.2
JMU comp=N, 841nm, 0.4s IAML 14 31 25.3
JMU comp=E, 742nm, 0.3s eS Pn 14 33 05.7 -6.9
JMU Nilore 12.62 289 S Pn 14 31 27.6 -1.7
JMU Nilore 12.62 289 P Pn 14 31 27.6 -1.7
PZH PanZhiHua 13.02 104 S S Pn 14 31 33.5 -1.3
PZH S S Sn 14 33 56.5 -3.5
PZH S S Pmax 14 40 42.1 +0.3
PZH comp=E, 30nm, 0.7s pmax pmax
PZH comp=E, 150nm, 5.9s LR LR
PZH comp=E, 2jμm, 12.4s LR LR
PZH comp=E, 940nm, 11.4s LR LR
PZH comp=E, 1jμm, 10.0s LR LR
KSH Kashi 13.21 317 P Pn 14 31 39.1 +1.6
KSH pP Pmax 14 31 44.1 -3.5
KSH comp=E, 32nm, 0.9s pmax pmax
KSH comp=E, 340nm, 4.5s pmax pmax
KSH comp=E, 3jμm, 17.9s LR LR
KSH comp=E, 4jμm, 14.4s LR LR
KSH comp=N, 2jμm, 12.7s LR LR
WMO Urumqi 13.46 0 eP Pn 14 31 45.1 +4.3
WMO pmax pmax
WMO comp=E, 43nm, 1.1s pmax pmax
WMO comp=E, 310nm, 4.1s LR LR
WMO comp=N, 1jμm, 10.7s LR LR
WMO comp=E, 970nm, 12.7s LR LR
WMO comp=E, 290nm, 12.7s LR LR
GTA Gaotai 13.50 45 eP Pn 14 31 40.3 -1.0
GTA P Pn 14 31 49.4 -1.3
GTA S S Pn 14 34 20.0 +8.4
GTA PnP Pmax 14 37 09.3 +0.7
GTA ScS S S Pmax 14 44 17.6 -1.7
GTA comp=N, 5.0nm, 2.2s LR LR
GTA comp=N, 2jμm, 15.9s LR LR
GTA comp=E, 2jμm, 15.9s LR LR
GTA comp=N, 2jμm, 12.7s LR LR
TARG Taragay, Kyrgy 13.85 328 S Pn 14 31 45.2 -1.2
TARG Taragay, Kyrgy 13.85 328 P Pn 14 31 45.2 -1.2
CD2 Chengdu 13.93 84 S Sn 14 31 47.1 -0.1
CD2 14 34 22.5 +0.4

CD2 comp=N, 30nm, 0.7s pmax pmax
CD2 comp=N, 3jμm, 7.5s LR LR
CD2 comp=N, 5jμm, 9.0s LR LR
CD2 comp=N, 5jμm, 9.0s PRZ Przhvalsk 14.20 331 P P 14 31 56.9 -1.6
PRZ Przhvalsk 14.20 331 P P 14 31 56.9 -1.6
SHLS Shalkode 14.35 335 eP Pn 14 31 51.8 -1.2
SHLS Shalkode 14.35 335 eS Pn 14 34 30.5 -2.0
SHLS Shalkode 14.35 335 eS Pn 14 31 51.8 -1.2
SHLS Shalkode 14.35 335 eS Pn 14 34 30.5 -2.0
Kunming 14.37 108 I P P 14 31 54.3 +0.8
Kunming I P P 14 32 01.0 +0.4
Kunming comp=N, 2.50nm, 1.1s pmax pmax
Kunming comp=N, 2.40nm, 5.0s pmax pmax
Kunming comp=N, 2jμm, 9.1s LR LR
Kunming comp=N, 900nm, 9.9s LR LR
Kunming comp=N, 2jμm, 11.1s LR LR
KDJ Kajisay 14.45 327 Pn Pn 14 31 54.1 -0.3
KDJ Kajisay 14.45 327 P Pn 14 31 54.1 -0.3
UZB Uzynbulak 14.51 334 eP Pn 14 31 56.0 +0.9
UZB Uzynbulak 14.51 334 eP Pn 14 34 38.0 +1.8
UZB Uzynbulak 14.51 334 eS Pn 14 31 56.0 +0.9
UZB Uzynbulak 14.51 334 eS Pn 14 34 38.1 +1.8
SATY Saty 14.67 332 eP Pn 14 31 58.1 +0.7
SATY Saty 14.67 332 eP Pn 14 31 58.1 +0.7
LZH Lanzhou 14.75 63 S Sn 14 31 56.4 -2.1
LZH S Sn 14 34 37.1 -5.2
LZH comp=N, 43nm, 1.4s pmax pmax
LZH comp=N, 450nm, 4.8s LR LR
LZH comp=N, 2jμm, 11.7s LR LR
LZH comp=N, 2jμm, 12.4s LR LR
LZH comp=N, 2jμm, 12.0s LR LR
ZHN Zhinshike 14.75 333 eP Pn 14 31 59.2 +0.8
ZHN Zhinshike 14.75 333 eP Pn 14 31 59.2 +0.8
KPKS Kokpek 14.91 334 eP Pn 14 32 01.0 +0.5
KPKS Kokpek 14.91 334 eP Pn 14 32 01.0 +0.5
ULHL Ulhal 14.99 326 P Pn 14 32 03.4 +1.7
SNR=26
TNSH Tian-Shan 15.27 329 eP Pn 14 32 06.4 +0.7
TNSH Tian-Shan 15.27 329 eP Pn 14 32 06.5 +0.7
HYB Hyderabad 15.28 215 eP IVM_BB 14 32 25.2
HYB IVM_BB IVMs_BB 14 34 44.7 -1.0
HYB IVMs_BB IVMs_BB 14 39 01.8
MDOK Medeo 15.33 330 eS Pn 14 32 07.1 +0.9
MDOK Medeo 15.33 330 eS Pn 14 34 58.1 +1.9
MDOK Medeo 15.33 330 eS Pn 14 32 07.1 +0.9
MDOK Medeo 15.33 330 eS Pn 14 34 58.1 +1.9
CHTO Chiang Mai 15.41 135 Pn Pn 14 32 06.2 -1.1
CHTO Chiang Mai 15.41 135 Pn Pn 14 32 06.2 -1.1
CHTO comp=N, 50nm, 0.9s pmax pmax
AAA Alma-Ata 15.42 329 eP Pmax 14 32 08.4 +1.1
AAA Alma-Ata 15.42 329 eP Pmax 14 32 08.4 +1.1
AAA comp=N, 123nm, 1.1s pmax pmax
AAA comp=N, 123nm, 1.1s pmax pmax
CMAR Chiang Mai Arr 15.69 136 Pn Pn 14 32 08.3 -2.5
CMAR comp=N, 0.3nm, 0.3s, baz=313, slow=13, SNR=21 S S Sb 14 32 07.3 +2.3
CMAR comp=N, 0.1nm, 0.3s, baz=315, slow=19, SNR=1.0 ScP ScP 14 40 46.1 -0.3
CMAR comp=N, 2.4nm, 0.9s, baz=309, slow=9.4, SNR=9.9 PKPKP PKPKP 14 45 05.0 -1.2
TKM2 Tokmak 2 SNR=2 15.81 326 P Pn 14 32 13.8 +1.2
UCH Uchter 15.86 322 P P 14 32 20.6 +3.3
ARXS Arharly 15.87 333 eP Pn 14 32 12.4 -0.8
KKB Karagaybulak 15.94 324 eP Pn 14 32 17.4 -0.5
ARSB Arslanbob 16.12 317 P Pn 14 32 14.9 -1.6
ARSB Arslanbob 16.12 317 P Pmax 14 32 14.9 -1.6
ARSB comp=N, 62nm, 1.6s pmax pmax
AAK Ala-Archa 16.16 323 P P 14 32 18.9 -1.4
AAK Ala-Archa 16.16 323 P P 14 32 19.0 -1.3
AAK Ala-Archa 16.16 323 P Pn 14 32 18.6 +1.6
AAK comp=N, 0.6nm, 0.3s, baz=126, slow=15, SNR=20 S Sn 14 35 14.9 -1.5
AAK comp=N, 0.1nm, 0.3s, baz=223, slow=15, SNR=1.7 pmax pmax
AAK comp=N, 2.15nm, 1.1s pmax pmax
AAK Ala-Archa 16.16 323d eP pmax pmax 14 32 18.7 +1.7
FRU1 Bishkek 16.21 324 P P 14 32 20.7 0.0
FRU1 Bishkek 16.21 324 P P 14 32 20.7 0.0
FRU1 comp=N, 85nm, 1.2s pmax pmax
KBL Kabul 16.22 290 Pn Pn 14 32 15.4 -2.5
KBL Kabul 16.22 290 P Pmax 14 32 15.4 -2.5
KBL comp=N, 71nm, 0.9s pmax pmax
AML Almayashu SNR=28 16.24 320 P Pn 14 32 19.7 +1.4
CHMS Chumysh SNR=13 16.29 324 P P 14 32 21.1 -0.4
PHRA Phrae 16.45 133 P Pn 14 32 21.2 +0.5
PHRA Iamb Iamb 14 32 24.8
EKS2 Erkin-Say 16.55 322 P P 14 32 26.9 +2.3
USP Oспенovka 16.61 325 P P 14 32 25.0 -0.1
USP SNR=11
SGDS Sogindy 16.68 325 eP Pn 14 32 24.3 +0.8
SGDS Sogindy 16.68 325 eP Pn 14 32 24.4 +0.8
MK31 Makanchi Array 16.94 347 eP Pn 14 32 25.8 -1.0
MK31 Makanchi Array 16.94 347 eP Pn 14 32 26.4 -0.4
MKAR Makanchi Array 16.94 347 P Pn 14 32 26.5 -0.3
MKAR SNR=37
MKAR comp=N, 2.3nm, 1.0s, baz=163, slow=26, SNR=1.9 S S P 14 35 36.5 +1.2
MKAR comp=N, 3.1nm, 0.9s, baz=194, slow=2.1, SNR=5.0 PnP PnP 14 37 13.1 -0.2
MKAR comp=N, 124nm, 20.0s, baz=155, slow=40 LR LR 14 39 43.0
MKAR comp=N, 0.3nm, 0.6s, baz=174, slow=1.1, SNR=3.7 PKPKP PKPKP 14 45 03.7 -2.3
MAK2 Makanchi 17.02 347 Pn Pn 14 32 27.3 -0.4
MAK2 Makanchi 17.02 347 P Pn 14 32 27.3 -0.4
MAK2 comp=N, 35nm, 1.2s pmax pmax
SLVN Son La 17.18 118 P Pn 14 32 29.9 -0.1
SLVN Son La 17.18 118 P Pn 14 32 31.1 +1.1
GYA Guiyang 17.21 98 P Pn 14 32 35.5 -0.9
GYA S S Pn 14 32 35.1 -0.5
GYA S S Sn 14 35 41.3 -0.8
GYA LR LR
GYA comp=N, 2jμm, 11.0s LR LR
GYA comp=N, 2jμm, 9.1s LR LR
SIMJ Simiganj 17.41 303 P Pn 14 32 33.8 +1.0
DZA Taraz 18.06 318 eP Pn 14 32 41.7 +0.6
DZA Taraz 18.06 318 eP Pn 14 32 41.8 +0.6
BTLS Baital 18.14 328 eP P 14 32 42.6 +0.6
BTLS Baital 18.14 328 eS Pn 14 36 06.1 +1.8
BTLS Baital 18.14 328 eP Pn 14 32 42.7 +0.6
BTLS Baital 18.14 328 eP Pmax 14 36 06.2 +1.8
IUG luzhnay 18.39 315 eP Pmax 14 32 45.4 +0.5
IUG comp=N, 95nm, 0.8s pmax pmax
IUG luzhnay 18.39 315 eP P 14 32 45.4 +0.5
IUG comp=N, 95nm, 0.8s pmax pmax

ANN	comp=Z,29nm,0.7s	MLR	MLR			
ANN	comp=N,362nm,15.0s	MLR	MLR			
ANN	comp=E,148nm,12.0s	MLR	MLR			
LPSR	comp=Z,187nm,13.0s	eP	P	14 36 18.9 +0.3		
LPSR	Galich'ya Gora	e	P	14 37 55.6		
JGF	comp=Z,33nm,1.3s	Pmax	Pmax			
JGF	Kuroka	41.72	69	P	14 36 17.3 -1.6	
JGF	Kuroka	41.72	69	P	14 36 23.2 +4.2	
YAK	comp=Z,49nm,0.8s	IAMB	IAMB			
YAK	Yakutsk	41.78	28	P	14 36 18.0 -1.0	
YAK	comp=Z,40nm,0.7s	baz=202,slow=1.0,SNR=19	LR			
YAK	comp=Z,327nm,19.8s	baz=238,slow=38	LR	14 54 49.5		
YAK	comp=Z,40nm,0.7s	baz=202,slow=1.0,SNR=19	LR			
YAK	Yakutsk	41.78	28	eP	14 36 18.9 -0.1	
YAK	Yakutsk	41.78	28	e	14 37 53.6	
YAK	Yakutsk	41.78	28	e	14 38 14.3	
YAK	Yakutsk	41.78	28	ePPP	14 38 26.1	
YAK	Yakutsk	41.78	28	eS	14 42 35.0 -1.4	
YAK	Yakutsk	41.78	28	eSS	14 45 40.0 -1.9	
YAK	Yakutsk	41.78	28	eSSS	14 46 19.9	
YAK	comp=Z,40nm,0.9s	Pmax	Pmax			
YAK	comp=N,10.0nm,1.1s	Pmax	Pmax			
YAK	comp=E,11nm,1.2s	Pmax	Pmax			
YAK	comp=Z,70nm,3.2s	Pmax	Pmax			
YAK	comp=N,40nm,2.8s	Pmax	Pmax			
YAK	comp=E,94nm,3.2s	Smax	Smax			
YAK	comp=N,131nm,4.7s	Smax	Smax			
YAK	comp=E,128nm,5.1s	MLR	MLR			
YAK	comp=Z,390nm,23.0s	MLR	MLR			
YAK	comp=N,231nm,27.0s	MLR	MLR			
GAZ	comp=E,113nm,24.0s	IAMB	IAMB	14 36 24.1		
GAZ	Gaziantep	42.05	293	IAMB	14 36 24.1	
MJB9	comp=Z,32nm,0.9s	IAMB	IAMB	14 36 27.9		
MJB9	Matsu-Tunnel	42.28	68	IAMB	14 36 27.9	
MAJO	comp=Z,44nm,1.1s	IAMB	IAMB	14 36 26.9		
MAJO	Matsushiro	42.29	68	P	14 36 25.6 +2.0	
MAJO	comp=Z,43nm,1.2s	P	P	14 36 25.6 +2.0		
MAJO	Matsushiro	42.29	68	eP	14 36 22.6 -1.0	
MAJO	comp=Z,37nm,1.1s	Pmax	Pmax			
MJAR	comp=Z,31nm,1.1s	baz=283,slow=9.1,SNR=19	LR	14 36 22.3 -1.3		
MJAR	Matsushiro Arr	42.29	68	P	14 36 22.3 -1.3	
MJAR	comp=Z,114nm,20.1s	baz=278,slow=37	LR	14 54 43.3		
TOL2	comp=Z,27nm,0.8s	IAMB	IAMB	14 36 28.0 +0.5		
TOL2	Tolitoli	42.85	126	P	14 36 28.0 +0.5	
TOL2	comp=Z,27nm,0.8s	IAMB	IAMB	14 36 35.3		
TOL2	Tolitoli	42.85	126	P	14 36 28.0 +0.5	
KHAM	comp=Z,42nm,1.1s	P	P	14 36 28.1 -0.5		
KHAM	Kharkiv	42.92	312	P	14 36 28.1 -0.5	
ASF	comp=Z,143nm,19.3s	baz=144,slow=40	LR	14 56 54.8		
ASF	Jabal al Asfar	43.06	286	LR	14 56 54.8	
MOS	comp=Z,143nm,19.3s	baz=144,slow=40	LR	14 36 30.4 -0.3		
MOS	Moscow	43.21	321	P	14 36 30.4 -0.3	
MOS	Moscow	43.21	321	eS	14 43 00.1 +2.5	
MOS	Moscow	43.21	321	eS	14 43 00.1 +2.5	
MOS	Moscow	43.21	321	eS	14 43 00.1 +2.5	
DIKM	comp=Z,59nm,1.2s	P	P	14 36 32.5 +1.3		
DIKM	Dikmen	43.23	300	P	14 36 32.5 +1.3	
OBN	comp=Z,97nm,19.9s	baz=201,slow=39	LR	14 56 34.9		
OBN	Obninsk	43.64	320	LR	14 56 34.9	
OBN	Obninsk	43.64	320	eP	14 36 34.9 +0.7	
OBN	Obninsk	43.64	320	eS	14 38 16.9	
OBN	Obninsk	43.64	320	eS	14 43 04.7 +0.8	
OBN	comp=Z,23nm,0.9s	MLR	MLR			
OBN	Obninsk	43.64	320	P	14 36 33.1 -1.1	
OBN	comp=Z,35nm,0.6s	P	P	14 38 17.4		
KLMR	comp=Z,88nm,1.1s	Pmax	Pmax	14 36 35.0 -1.0		
KLMR	Klimovskoe	43.87	328	eP	14 36 35.0 -1.0	
KLMR	Klimovskoe	43.87	328	eP	14 38 17.4	
PLTM	comp=Z,71nm,1.1s	Pmax	Pmax	14 36 36.6 -0.4		
SIM	comp=Z,71nm,1.1s	Pmax	Pmax	14 36 37.1 +1.3		
SIM	Simferopol'	44.02	305	eP	14 38 22.0	
SIM	comp=Z,71nm,1.1s	Pmax	Pmax	14 36 37.1 +1.3		
SIM	comp=Z,25nm,1.1s	MLR	MLR			
SIM	comp=Z,200nm,21.0s	P	P	14 36 38.8 +0.2		
MMAI	Mount Meron Ar	44.17	288	P	14 36 38.8 +0.2	
MMAI	comp=Z,5.1nm,0.8s	baz=61,slow=11,SNR=6.6	PcP	14 38 24.5 +0.9		
MMAI	comp=Z,6.4nm,0.8s	baz=101,slow=4.3,SNR=5.6	PcP	14 38 24.5 +0.9		
MMAI	comp=Z,15.1nm,18.2s	baz=74,slow=40	LR	14 57 50.4		
BZK	comp=Z,47nm,1.2s	P	P	14 36 38.9 +0.3		
BZK	Bozkurt	44.16	300	P	14 36 38.9 +0.3	
BZK	Bozkurt	44.16	300	P	14 36 38.6 0.0	
BZK	Bozkurt	44.16	300	P	14 36 38.6 0.0	
JMM	comp=Z,37nm,0.9s	P	P	14 36 41.0 +2.2		
JMM	Marumori	44.18	65	P	14 36 41.0 +2.2	
BR104	comp=Z,74nm,0.9s	P	P	14 36 41.9 -0.4		
BR104	Keskin Array S	44.59	297	P	14 36 41.9 -0.4	
BR131	comp=Z,43nm,1.4s	IAMB	IAMB	14 36 42.3 0.0		
BR131	Keskin Array S	44.59	297	P	14 36 42.3 0.0	
BR131	comp=Z,43nm,1.4s	IAMB	IAMB	14 36 42.3 0.0		
BR131	Keskin Array S	44.59	297	d/P	14 36 42.5 +0.2	
BR131	comp=Z,9.0nm,0.6s	baz=115,slow=8.3,SNR=36	PcP	14 38 23.7 -1.5		
BR131	comp=Z,2.7nm,0.9s	baz=123,slow=5.3,SNR=4.1	PcP	14 36 41.9 -0.5		
BR106	comp=Z,141nm,17.7s	baz=115,slow=8.3,SNR=36	PcP	14 36 41.9 -0.5		
BR106	Keskin Array S	44.60	297	P	14 36 41.9 -0.5	
BR105	comp=Z,235nm,19.8s	baz=235,slow=38	LR	14 54 49.5		
BR105	Keskin Array S	44.61	297	P	14 36 41.9 -0.5	
ASAJ	comp=Z,47nm,1.2s	baz=269,slow=6.9,SNR=8.5	LR	14 56 00.8		
ASAJ	Asahikawa	45.10	56	P	14 36 44.9 -1.3	
ASAJ	comp=Z,263nm,20.1s	baz=186,slow=37	LR	14 59 00.8		
YSS	comp=Z,47nm,1.2s	P	P	14 36 50.0 +3.1		
YSS	Yuzhno-Sakhal'i	45.21	52	P	14 36 50.0 +3.1	
YSS	Yuzhno-Sakhal'i	45.21	52	eP	14 36 48.8 +1.9	
YSS	Yuzhno-Sakhal'i	45.21	52	eP	14 36 48.8 +1.9	
EIL	comp=Z,61nm,1.4s	Pmax	Pmax	14 59 00.0		
EIL	Eilat	45.25	283	LR	14 59 00.0	
TYV	comp=Z,122nm,18.5s	baz=71,slow=42	LR	14 59 00.0		
TYV	Tymovskoe	45.37	47	P	14 36 51.3 +3.2	
TYV	Tymovskoe	45.37	47	P	14 36 51.3 +3.2	
TYV	comp=Z,200nm,6.1s	Pmax	Pmax			
CSS	comp=Z,39nm,1.2s	P	P	14 36 48.9 -0.3		
CSS	Mathiatis	45.47	291	P	14 36 48.9 -0.3	
ERM	comp=Z,25nm,0.8s	P	P	14 36 51.5 +1.3		
ERM	Erino	45.61	59	eP	14 36 51.5 +1.3	
ERM	Erino	45.61	59	eP	14 36 51.5 +1.3	
LUWI	comp=Z,23nm,0.8s	P	P	14 36 52.2 +0.5		
LUWI	Luwuk	45.77	127	P	14 36 52.2 +0.5	
KDZE	comp=Z,58nm,1.4s	P	P	14 36 54.6 +0.4		
KDZE	Karadeniz Ereo	46.12	300	P	14 36 54.6 +0.4	
KAPI	comp=Z,85nm,18.4s	baz=259,slow=42	LR	15 01 04.6		
KAPI	Kappang	46.72	133	LR	15 01 04.6	
TIXI	comp=Z,27nm,0.8s	IAMB	IAMB	14 36 59.8 -0.5		
TIXI	Tiksi	46.96	17	P	14 36 59.8 -0.5	
TIXI	Tiksi	46.96	17	P	14 36 59.8 -0.5	
TIXI	comp=Z,23nm,0.7s	baz=244,slow=5.0,SNR=37	PcP	14 38 31.7 -0.9		
TIXI	Tiksi	46.96	17	eP	14 37 00.0 -0.3	
TIXI	comp=Z,23nm,0.7s	baz=244,slow=5.0,SNR=37	PcP	14 38 31.7 -0.9		
TIXI	Tiksi	46.96	17	eP	14 37 00.0 -0.3	
TIXI	comp=Z,23nm,0.8s	Pmax	Pmax			

PURM	comp=Z,94nm,1.1s	P	P	14 37 00.5 -0.4		
ISP	comp=Z,30nm,1.1s	IAMB	IAMB	14 37 04.0		
ISP	Isparita	47.24	295	IAMB	14 37 04.0	
ISP	Isparita	47.24	295	eP	14 37 03.3 +0.1	
AK09	comp=Z,27nm,1.1s	P	P	14 37 03.9 -0.3		
AK09	Malin Array Si	47.42	313	P	14 37 03.9 -0.3	
AK08	comp=Z,47nm,1.2s	P	P	14 37 07.2 -1.1		
AK08	Malin Array Si	47.44	313	P	14 37 07.2 -1.1	
AK10	comp=Z,47nm,1.2s	P	P	14 37 04.0 -0.4		
AK10	Malin Array Si	47.44	313	P	14 37 04.0 -0.4	
AKASG	comp=Z,13nm,0.8s	baz=80,slow=7.5,SNR=36	PcP	14 37 04.2 -0.4		
AKASG	Malin Array Be	47.46	313	P	14 37 04.2 -0.4	
AKASG	comp=Z,2.6nm,0.8s	baz=68,slow=3.5	PcP	14 38 33.8 -1.0		
AKASG	comp=Z,2.6nm,0.8s	baz=68,slow=3.5	PcP	14 38 33.8 -1.0		
AKASG	comp=Z,6.3nm,1.0s	baz=83,slow=9.9,SNR=4.3	LR	14 43 57.0 -2.2		
AKASG	comp=Z,6.3nm,1.0s	baz=83,slow=9.9,SNR=4.3	LR	14 43 57.0 -2.2		
AKASG	comp=Z,0.2nm,0.3s	baz=85,slow=14,SNR=4.1	LR	15 00 07.2		
AKASG	comp=Z,236nm,18.6s	baz=77,slow=40	LR	15 00 07.2		
AKB6	comp=Z,13nm,0.8s	IAMB	IAMB	14 37 08.1		
AKB6	Malin Array Si	47.46	313	IAMB	14 37 08.1	
AKB6	Malin Array Si	47.46	313	d/P	14 37 04.0 -0.5	
AKB6	Malin Array Si	47.46	313	P	14 37 04.1 -0.5	
AKB1	comp=Z,47nm,1.2s	P	P	14 37 07.2 -1.5		
AKB1	Malin Array Si	47.47	313	P	14 37 07.2 -1.5	
AK07	comp=Z,47nm,1.2s	P	P	14 37 07.2 -0.4		
AK07	Malin Array Si	47.47	312	P	14 37 07.2 -0.4	
AK07	Malin Array Si	47.47	312	P	14 37 07.2 -1.5	
AK02	comp=Z,47nm,1.2s	P	P	14 37 04.2 -0.4		
AK02	Malin Array Si	47.47	313	P	14 37 04.2 -0.4	
AK05	comp=Z,47nm,1.2s	P	P	14 37 07.5 -1.2		
AK05	Malin Array Si	47.47	313	P	14 37 07.5 -1.2	
KIEV	comp=Z,47nm,1.2s	IAMB	IAMB	14 37 04.1 -0.5		
KIEV	Kiev	47.47	313	IAMB	14 37 04.1 -0.5	

ZVC	Zvikov	57.19 312	eP	P	14 38 17.1	+0.2
ZVC			eP	sP	14 38 23.3	+0.7
KMBO	Kilima Mbogo	57.20 246	P	P	14 38 17.4	-0.3
KMBO			Iamb	Iamb	14 38 19.5	
KMBO	comp-Z,42nm,1.1s					
KMBO	Kilima Mbogo	57.20 246	P	P	14 38 17.8	+0.1
KMBO			Iamb	Iamb	15 00 11.1	
KMBO	comp-Z,62nm,21.7s,baz=79,slow=33					
KMBO	comp-Z,11nm,1.0s					
KMBO	Kilima Mbogo	57.20 246	dI/P	P	14 38 18.2	+0.6
PKDS	Podkum	57.27 308	eP	P	14 38 17.6	0.0
NC602	NORSAR Array S	57.31 325	Iamb	Iamb	14 38 18.1	
KIBK	Kibwezi	57.32 245	P	P	14 38 18.4	+0.1
NC303	NORSAR Array S	57.36 326	Iamb	Iamb	14 38 18.7	
NC303			Iamb	Iamb	14 38 21.7	
MOA	Molin	57.42 310	iP	P	14 38 18.0	-0.6
MOA						
NB2	NORSAR Subarra	57.45 326	P	P	14 38 17.7	-0.9
NB2						
NB2	NORSAR Subarra	57.45 326	P	P	14 38 17.7	-0.9
NB2						
NOA	NORSAR Array B	57.45 326	P	P	14 38 18.0	-0.6
NOA						
NOA	comp-Z,20nm,0.8s,baz=86,slow=7.0,SNR=66					
NOA						
NOA	comp-Z,126nm,18.2s,baz=90,slow=37					
NOA	comp-Z,20nm,0.8s					
OBKA	Obir	57.49 308	eP	P	14 38 18.7	-0.4
OBKA						
LJU	Ljubljana	57.59 308	eP	P	14 38 19.8	0.0
GE2C	GERESS Array S	57.61 311	Iamb	Iamb	14 38 21.1	
GE2C						
GE2C	GERESS Array S	57.61 311	eP	P	14 38 20.4	+0.4
GERES	GERESS Array B	57.61 311	eP	P	14 38 19.9	-0.1
GERES						
GERES	GERESS Array B	57.61 311	eP	P	14 38 19.9	-0.1
GERES						
GERES	comp-Z,8.4nm,0.9s,baz=77,slow=5.8,SNR=40					
GERES						
GERES	comp-Z,127nm,21.6s,baz=82,slow=37					
GERES	comp-Z,8.4nm,0.9s					
CLL	Collim	57.63 314	iP	P	14 38 19.4	-0.5
CLL						
CLL	comp-Z,15nm,1.2s					
CLL	Collim	57.63 314	iP	P	14 38 19.4	-0.5
CLL						
CLL	comp-Z,15nm,1.2s					
CLL						
CLL	comp-Z,200nm,21.9s					
CLL	Collim	57.63 314	eP	P	14 38 19.7	-0.2
CLL						
CLL	comp-Z,5.2nm,0.9s,baz=79,slow=6.9					
KHC	Kasperske Hory	57.64 312	eP	P	14 38 20.2	+0.1
KHC						
KHC	Kasperske Hory	57.64 312	eP	sP	14 38 26.5	+0.6
KHC						
KHC	Kasperske Hory	57.64 312	eP	pmax	14 38 19.7	-0.4
KHC						
STRU	Stroemstad	57.65 323	eP	P	14 38 19.7	-0.2
NB000	NORSAR Array S	57.66 326	Iamb	Iamb	14 38 23.5	
BILL	Bilbino	58.03 26	P	P	14 38 22.8	+0.3
BILL						
BILL	comp-Z,30nm,0.9s					
BILL	Bilbino	58.03 26	eP	P	14 38 22.8	+0.3
BILL						
BILL	comp-Z,48nm,1.3s					
WET	Wetzell	58.09 312	eP	P	14 38 23.8	+0.6
WET						
WET	comp-Z,6.3nm,0.9s,baz=79,slow=6.9					
TANN	Tannenbergssta	58.12 313	eP	P	14 38 23.6	+0.1
TANN						
TANN	comp-Z,8.3nm,0.9s,baz=79,slow=6.9					
KBA	Koelbrenspeis	58.19 309	eP	P	14 38 23.2	-0.9
KBA						
KBA	comp-Z,6.3nm,1.3s					
SABO	M.te Sabotino	58.24 308	Iamb	Iamb	14 38 24.8	
SABO						
SABO	comp-Z,39nm,1.4s					
KONO	Kongsberg	58.39 324	P	P	14 38 25.0	-0.1
KONO						
KONO	comp-Z,32nm,1.1s					
KONO	Kongsberg	58.39 324	eP	pmax	14 38 25.2	+0.1
KONO						
KONO	comp-Z,26nm,1.1s					
ROTZ	Rotzenmuhle	58.40 313	eP	P	14 38 25.7	+0.3
ROTZ						
ROTZ	comp-Z,3.0nm,0.9s,baz=79,slow=6.9					
NEUB	Neuenburg	58.41 314	eP	P	14 38 25.6	+0.2
NEUB						
NEUB	comp-Z,5nm,0.8s,baz=79,slow=6.9					
RJOB	Jochberg	58.42 310	eP	P	14 38 25.2	-0.4
RJOB						
RJOB	comp-Z,4.9nm,1.1s,baz=79,slow=6.9					
MANZ	Manzenberg	58.43 313	eP	P	14 38 26.0	+0.5
MANZ						
MANZ	comp-Z,2.7nm,1.1s,baz=79,slow=6.9					
FLTG	Flechtlingen	58.54 316	eP	P	14 38 26.2	-0.1
FLTG						
FLTG	comp-Z,12nm,0.9s,baz=79,slow=6.9					
MOX	Moxa	58.61 314	eP	P	14 38 26.9	+0.1
MOX						
MOX	comp-Z,7.9nm,0.9s,baz=79,slow=6.9					
ABTA	Abfaltersbach	58.81 309	eP	P	14 38 26.7	-1.7
ABTA						
ABTA	comp-Z,9.9nm,1.2s					
BSEG	Bad Segeberg	58.82 318	eP	P	14 38 28.1	0.0
BSEG						
BSEG	comp-Z,18nm,0.8s,baz=79,slow=6.9					
CIMO	Cimolais	58.96 309	Iamb	Iamb	14 38 32.8	
CIMO						
CIMO	comp-Z,21nm,1.2s					
GRA1	Grafenberg Arr	59.05 313	Iamb	Iamb	14 38 31.6	
GRA1						
GRA1	comp-Z,35nm,1.1s					
GRF	Grafenberg Arr	59.05 313	eP	P	14 38 30.4	+0.5
GRF						
GRF	comp-Z,14nm,1.0s,baz=79,slow=6.9					
GRFO	Grafenberg	59.05 313	P	P	14 38 29.9	0.0
GRFO						
GRFO	comp-Z,38nm,1.3s					
GRFO	Grafenberg	59.05 313	P	pmax	14 38 29.9	0.0
GRFO						
GRFO	comp-Z,38nm,1.3s					
MUD	Monsted Ugrnd	59.05 321	iP	P	14 38 28.0	-1.7
MUD						
MUD	comp-Z,11nm,1.0s					
MUD						
MUD	comp-Z,37nm,1.1s					
CLZ	Clausthal	59.16 315	eP	P	14 38 30.8	+0.2
CLZ						
CLZ	comp-Z,20nm,0.8s,baz=79,slow=6.9					
CAMP	Campotosto	59.17 304	Iamb	Iamb	14 38 38.5	
CAMP						
CAMP	comp-Z,9nm,1.1s					
NRDL	Niedersach	59.20 316	eP	P	14 38 31.0	+0.3
NRDL						
NRDL	comp-Z,35nm,0.9s,baz=79,slow=6.9					
FDMO	Fiordimonte	59.27 305	Iamb	Iamb	14 38 32.5	
FDMO						
FDMO	comp-Z,31nm,1.3s					
WRTA	Wattenberg	59.29 310	eP	P	14 38 30.6	-1.2
WRTA						
WRTA	comp-Z,17nm,1.3s					
NORCA	Norcia	59.30 304	Iamb	Iamb	14 38 42.2	
NORCA						
NORCA	comp-Z,20nm,1.1s					
WATA	Walderalm	59.31 310	eP	P	14 38 30.6	-1.3
WATA						
WATA	comp-Z,11nm,1.1s					
FUR	Furstenfeldbru	59.33 311	eP	P	14 38 31.9	0.0
FUR						
FUR	comp-Z,35nm,1.1s,baz=79,slow=6.9					
GTGG	Gottingen	59.46 315	eP	P	14 38 32.8	+0.1
GTGG						
GTGG	comp-Z,10nm,1.0s,baz=79,slow=6.9					
CTI	Castel Tesino	59.55 308	Iamb	Iamb	14 38 37.1	
CTI						
CTI	comp-Z,15nm,1.2s					
SQTA	Sankt Quirin	59.58 310	eP	P	14 38 32.5	-1.2
SQTA						
SQTA	comp-Z,7.8nm,0.9s,baz=80,slow=6.9					
UBBA	Unterbach	59.59 314	eP	P	14 38 33.4	0.0
UBBA						
UBBA	comp-Z,3.1nm,0.8s,baz=79,slow=6.9					
MOTA	Moosalm	59.62 310	eP	P	14 38 32.6	-1.4
MOTA						
MOTA	comp-Z,10.0nm,0.9s					
CESX	Cesi	59.74 304	Iamb	Iamb	14 38 35.7	
CESX						
CESX	comp-Z,30nm,1.4s					
VAE	Valguarnera	59.78 298	LR	LR	15 10 50.2	
VAE						
VAE	comp-Z,91nm,21.5s,baz=166,slow=42					
MBWA	Marble Bar	59.80 145	P	P	14 38 34.4	-0.8
MBWA						
MBWA	comp-Z,6.7nm,1.0s					
MBWA	Marble Bar	59.80 145	P	P	14 38 33.0	-2.3
MBWA						
MBWA	comp-Z,6.7nm,1.0s					
MBWA	Marble Bar	59.80 145	P	P	14 38 34.8	-0.5
MBWA						
MBWA	comp-Z,6.7nm,1.0s					
SNART	Snatarto	59.80 323	iP	P	14 38 34.0	-0.9
SNART						
SNART	comp-Z,12nm,1.3s					
RETA	Reutte	59.81 310	eP	P	14 38 34.3	-1.0
RETA						
RETA	comp-Z,12nm,1.3s					
GENI	Genyem	59.84 113	P	P	14 38 37.1	+1.3
GENI						
GENI	comp-Z,12nm,1.3s					
FETA	Feichten	59.84 310	eP	P	14 38 35.0	-1.3
FETA						
FETA	comp-Z,9.9nm,1.1s					
PSACI	Pilbara Seismi	60.15 145	P	P	14 38 36.1	-1.6
PSACI						
PSACI	comp-Z,46nm,1.0s					
PSA00	Pilbara Seismi	60.20 145	P	P	14 38 35.4	-2.7
PSA00						

O15K	Ungalikthiuk R	74.94	29	P	P	14 40 10.6	-0.2
BMAR	Burnt Mountain	74.99	18	P	P	14 40 11.8	+0.8
CHUM	Lake Minchumin	75.00	23	P	P	14 40 11.0	0.0
D28M	Stokes Point	75.06	15	P	P	14 40 10.9	-0.3
H24K	Noodor Dome	75.15	21	P	P	14 40 12.3	+0.3
I23K	Minto, Yukon-K	75.15	22	P	P	14 40 12.0	+0.1
L19K	White Mountain	75.15	25	P	P	14 40 11.9	-0.1
M18K	Stony River	75.21	26	P	P	14 40 11.7	-0.5
E27K	Coleen River	75.23	17	P	P	14 40 11.8	-0.5
N17K	Nushagak Hills	75.25	28	P	P	14 40 12.8	+0.3
PBAR	Barrancos	75.28	306	eP	P	14 40 13.0	-0.1
PBAW	Bear Paw Mtn.	75.31	23	P	P	14 40 12.5	-0.3
L20K	Farewell, AK	75.33	25	P	P	14 40 13.2	+0.2
CAST	Castle Rocks	75.38	24	Iamb	Iamb	14 40 18.0	
CAST	Castle Rocks	75.38	24	P	P	14 40 12.6	-0.7
FYU	Fort Yukon	75.42	19	Iamb	Iamb	14 40 17.9	
E28M	Babbage River	75.42	16	P	P	14 40 13.0	-0.4
O16K	Kokwok River B	75.42	29	Iamb	Iamb	14 40 15.4	
O16K	Kokwok River B	75.42	29	P	P	14 40 13.0	-0.5
A36M	Sachs Harbour	75.43	10	P	P	14 40 12.8	-0.5
CTAO	Charters Tower	75.45	124	P	P	14 40 14.0	-0.3
CTAO	Charters Tower	75.45	124	Pmax	Pmax	14 40 14.0	-0.3
M19K	Big River Lodg	75.50	26	P	P	14 40 13.5	-0.4
G26K	Porcupine Rive	75.55	19	P	P	14 40 13.2	-0.9
NEA2	Nenana	75.62	22	Iamb	Iamb	14 40 18.5	
NEA2	Nenana	75.62	22	P	P	14 40 13.6	-1.0
N18K	Kilae Creek	75.67	27	P	P	14 40 14.4	-0.6
PPLA	Purkeypile	75.67	24	P	P	14 40 14.5	-0.6
FALS	False Pass	75.68	34	P	P	14 40 14.6	-0.4
KTH	Kantishna Hill	75.69	23	Iamb	Iamb	14 40 19.3	
O17K	Koliganek Bris	75.73	28	P	P	14 40 15.0	-0.3
POKR	Poker Plat Res	75.78	21	Iamb	Iamb	14 40 19.2	
POKR	Poker Plat Res	75.78	21	P	P	14 40 15.4	-0.1
P16K	Nushagak River	75.80	29	P	P	14 40 15.7	+0.1
COLA	College	75.81	21	P	P	14 40 15.6	0.0
COLA	College	75.81	21	P	P	14 40 15.7	+0.1
COLA	College	75.81	21	P	P	14 40 18.7	+3.1
COLA	College	75.81	21	Pmax	Pmax	14 40 15.2	-0.4
PSBE	So Bento	75.88	308	eP	P	14 40 13.9	-2.7
MDT	Midett	75.94	300	LR	LR	15 20 19.5	
TRF	Thorfare Mountain	75.97	23	P	P	14 40 16.9	0.0
M20K	Styx River	75.98	25	P	P	14 40 16.9	+0.1
E29M	Blow River	75.98	16	P	P	14 40 16.8	+0.2
PRP	Porcupine Dome	76.08	20	Iamb	Iamb	14 40 21.3	
PRP	Porcupine Dome	76.08	20	P	P	14 40 17.6	+0.2
F28M	Old Crow	76.09	17	Iamb	Iamb	14 40 24.2	
N28M	Old Crow	76.09	17	P	P	14 40 17.4	+0.2
F19K	Bonanza Creek	76.14	26	Iamb	Iamb	14 40 22.6	
N19K	Bonanza Creek	76.14	26	P	P	14 40 17.5	-0.2
ILAR	Eielson Array	76.18	21	P	P	14 40 17.4	-0.4
ILAR	Eielson Array	76.18	21	PP	PP	14 43 08.1	-0.1
PCVE	Castro Verde	76.23	306	eP	P	14 40 18.5	-0.1
G27K	Doyon Strip	76.23	18	P	P	14 40 18.2	+0.1
MCK	McKinley	76.24	22	P	P	14 40 18.3	+0.1
PBDV	Barranco-do-Ve	76.33	305	eP	P	14 40 18.6	-0.6
P17K	Kvichak River	76.34	28	P	P	14 40 18.5	-0.3
HDA	Harding Lake	76.42	21	P	P	14 40 19.1	-0.1
O18K	Koktuh Hills	76.44	28	Iamb	Iamb	14 40 33.0	
O18K	Koktuh Hills	76.44	28	P	P	14 40 18.5	-0.9
SKT	Skwentna	76.50	25	Iamb	Iamb	14 40 23.6	
SKT	Skwentna	76.50	25	P	P	14 40 19.3	-0.3
O19K	Port Alsworth	76.58	27	Iamb	Iamb	14 40 24.7	
O19K	Port Alsworth	76.58	27	P	P	14 40 19.7	-0.4
CUT	Chuilina	76.67	24	P	P	14 40 20.6	+0.1
H27K	Steamboat Moun	76.70	18	P	P	14 40 20.6	-0.1
P18K	Big Mountain	76.72	28	Iamb	Iamb	14 40 22.5	
P18K	Big Mountain	76.72	28	P	P	14 40 20.4	-0.6
SPCR	Spurr Chakacha	76.75	25	P	P	14 40 20.1	-1.1
J25K	Salcha River	76.76	21	Iamb	Iamb	14 40 25.4	
J25K	Salcha River	76.76	21	P	P	14 40 20.3	-0.9
R16K	Pilot Point	76.84	30	P	P	14 40 22.1	+0.5
INKA	Innaminka	76.88	133	P	P	14 40 24.1	+1.9
I26K	Coal Creek Min	76.92	20	P	P	14 40 21.5	-0.5
INK	Inuvik	77.03	15	Iamb	Iamb	14 40 26.5	
INK	Inuvik	77.03	15	P	P	14 40 22.5	0.0
F30M	Barrier River	77.09	16	P	P	14 40 22.3	-0.5
G29M	Pine Creek	77.10	17	P	P	14 40 22.9	-0.1
SUA	Susitna One	77.12	25	P	P	14 40 23.2	-0.1
I27K	Kandik River	77.14	19	P	P	14 40 23.2	0.0
M22K	Willow	77.15	24	P	P	14 40 23.5	+0.2
K24K	Donnelly Dome	77.21	21	P	P	14 40 23.4	-0.3
BROLN	Thialogang	77.26	236	P	P	14 40 24.5	-0.1
LCRK	Leigh Cr Peak	77.27	137	P	P	14 40 25.5	+1.2
O20K	Slope Mountain	77.31	26	P	P	14 40 24.1	-0.3
P19K	Oil Pt	77.35	27	P	P	14 40 24.3	-0.3
J26L	Joseph Creek	77.39	20	P	P	14 40 24.0	-0.8
ACHA	Angle Creek He	77.41	29	Iamb	Iamb	14 40 28.0	

CAPN	Captain Cook N	77.43	25	P	P	14 40 24.7	-0.2
G30M	tAoh Zraii Nji	77.48	16	P	P	14 40 24.8	-0.4
CHNA	Chebabura Isl	77.53	33	P	P	14 40 24.8	-0.8
H29M	Whitestone	77.55	17	P	P	14 40 24.1	-1.3
RIDG	Independent Ri	77.55	21	Iamb	Iamb	14 40 28.2	
RIDG	Independent Ri	77.55	21	P	P	14 40 24.5	-1.1
PMR	Palmer	77.61	24	P	P	14 40 25.5	-0.4
PMR	Palmer	77.61	24	P	P	14 40 27.8	+1.9
SCRK	Sand Creek	77.64	21	Iamb	Iamb	14 40 40.0	
SCRK	Sand Creek	77.64	21	P	P	14 40 25.1	-1.1
Q19K	Cape Douglas,	77.65	28	P	P	14 40 25.5	-0.7
F31M	Tsigichtchic	77.69	15	Iamb	Iamb	14 40 31.6	
F31M	Tsigichtchic	77.69	15	P	P	14 40 25.3	-0.9
I28M	Miner Creek	77.72	18	Iamb	Iamb	14 40 32.5	
I28M	Miner Creek	77.72	18	P	P	14 40 25.5	-1.1
RC01	Rabbit Creek A	77.73	25	Iamb	Iamb	14 40 46.5	
RC01	Rabbit Creek A	77.73	25	P	P	14 40 25.8	-0.8
SML	Sawmill	77.75	24	Iamb	Iamb	14 40 33.2	
SML	Sawmill	77.75	24	P	P	14 40 25.9	-0.9
BBOO	Buckleboo	77.77	140	Iamb	Iamb	14 40 26.9	
BBOO	Buckleboo	77.77	140	P	P	14 40 23.5	-3.6
BBOO	Buckleboo	77.77	140	P	P	14 40 26.6	-0.5
EPYK	Eagle Plains	77.84	17	Iamb	Iamb	14 40 30.0	
EPYK	Eagle Plains	77.84	17	P	P	14 40 26.6	-0.5
EGAK	Eagle	77.89	19	Iamb	Iamb	14 40 35.5	
EGAK	Eagle	77.89	19	P	P	14 40 26.8	-0.5
PAX	Paxson	77.90	22	P	P	14 40 26.9	-0.7
C36M	Paultuk	77.95	11	P	P	14 40 26.9	-0.7
SFJD	Kangerlussuaq	77.95	344	LR	LR	15 18 55.2	
HOM	Homr	77.97	26	P	P	14 40 27.0	-0.9
M23K	Glacier View	77.97	24	P	P	14 40 27.3	-0.6
KNK	Knik Glacier	77.97	24	Iamb	Iamb	14 40 42.1	
KNK	Knik Glacier	77.97	24	P	P	14 40 27.6	-0.4
G31M	Satah River	77.99	16	P	P	14 40 27.6	-0.3
SCM	Sheep Creek Mo	78.08	23	Iamb	Iamb	14 40 43.0	
SCM	Sheep Creek Mo	78.08	23	P	P	14 40 28.5	-0.1
R18K	Karluk	78.17	29	P	P	14 40 29.2	+0.2
I29M	Ogilvie Camp,	78.23	18	P	P	14 40 29.1	-0.2
BRSE	Bradley Lake S	78.26	26	P	P	14 40 29.5	0.0
M24K	Tolsona, Glenn	78.28	23	P	P	14 40 28.9	-0.8
QLP	Quilpie	78.34	130	P	P	14 40 27.5	-2.9
QLP	Quilpie	78.34	130	P	P	14 40 30.2	-0.2
Q20K	Shuyak Island	78.35	28	P	P	14 40 29.2	-0.9
PWL	Port Wells	78.39	24	P	P	14 40 29.7	-0.6
HARP	HAARP	78.41	22	P	P	14 40 29.4	-0.9
MENT	Menasta	78.48	21	P	P	14 40 33.6	+2.8
L26K	Log Cabin Wild	78.53	21	P	P	14 40 30.4	-0.6
CHIR	Chirikof Islan	78.75	31	P	P	14 40 31.9	-0.4
WHYH	Whyalla	78.79	139	P	P	14 40 32.5	-0.2
KLU	Klutina	78.79	23	P	P	14 40 32.5	-0.1
KDAK	Kodiak Island	78.81	28	P	P	14 40 32.6	+0.1
KDAK	Kodiak Island	78.81	28	LR	LR	15 17 39.7	
KDAK	Kodiak Island	78.81	28	P	P	14 40 32.3	-0.3
KDAK	Kodiak Island	78.81	28	eP	eP	14 40 33.0	+0.4
I30M	Mount Dempster	78.84	17	P	P	14 40 32.3	-0.5
OHAK	Old Harbor	78.88	29	P	P	14 40 32.7	-0.3
OHAK	Old Harbor	78.88	29	P	P	14 40 33.3	+0.3
H31M	Peel River	78.88	16	Iamb	Iamb	14 40 38.5	
H31M	Peel River	78.88	16	P	P	14 40 32.6	-0.4
SII	Sitkinak Islan	78.92	30	P	P	14 40 33.5	+0.2
DAWY	Dawson	78.93	19	Iamb	Iamb	14 40 37.2	
DAWY	Dawson	78.93	19	P	P	14 40 32.8	-0.4
J29N	Klondike Camp	78.96	18	Iamb	Iamb	14 40 39.5	
J29N	Klondike Camp	78.96	18	P	P	14 40 33.3	-0.1
L27K	Beaver Creek,	78.97	21	P	P	14 40 32.2	-1.3
BCAR	Beaver Creek A	78.98	21	P	P	14 40 33.9	+0.3
M26K	Nabesna, AK	79.10	21	P	P	14 40 34.1	-0.1
N25K	Chitina, Valde	79.16	23	Iamb	Iamb	14 40 39.3	
N25K	Chitina, Valde	79.16	23	P	P	14 40 34.5	-0.1
P23K	Montague Islan	79.32	25	P	P	14 40 35.5	+0.1
J30M	Hart River	79.37	18	P	P	14 40 35.6	-0.2
M27K	Edge Creek, AK	79.48	21	P	P	14 40 36.7	+0.3
EYAK	Cowwa Ski Ar	79.52	24	LR	LR	14 40 36.6	+0.1
BMRM	Bremner River	79.62	23	P	P	14 40 37.4	+0.4
K29M	Barlow Dome	79.62	19	P	P	14 40 37.4	+0.3
BVCY	Beaver Creek	79.75	21	P	P	14 40 38.0	+0.3
HNR	Honiara	79.81	107	LR	LR	15 17 01.9	
VRDI	Verde Repeater	79.81	22	Iamb	Iamb	14 40 45.0	
HTT	Hallett	79.85	138	P	P	14 40 35.0	-3.6
HTT	Hallett	79.85	138	P	P	14 40 39.7	+1.1
TORD	Tordi Ar. Bea	80.00	279	P	P	14 40 39.4	-0.5
TORD	Tordi Ar. Bea	80.00	279	PP	PP	14 43 41.7	+0.1
TORD	Tordi Ar. Bea	80.00	279	PKKPbc	PKKPbc	14 59 23.7	+0.2
L29M	L29M	80.03	19	P	P	14 40 39.4	+0.1
Q23K	Middleton Isla	80.10	25	P	P	14 40 39.6	0.0
MAYO	Mayo, Yukon	80.27	18	P	P	14 40 40.8	+0.3

STKA

GULI	comp=Z,20nm,1.1s		pmax	pmax		
GULI	comp=Z,830nm,13.0s		LR	LR		
GULI	comp=Z,420nm,14.1s		LR	LR		
GULI	comp=Z,890nm,13.0s		LR	LR		
BTO	Baotou	20.83	54	eP	Pn	15 11 23.3 +0.1
BTO				S	Sn	15 15 17.8 -0.6
BTO	comp=Z,19nm,0.5s			pmax	pmax	
BTO	comp=Z,400nm,4.3s			LR	LR	
BTO	comp=Z,1µm,11.0s			LR	LR	
BTO	comp=Z,740nm,10.7s			LR	LR	
BTO	comp=Z,870nm,8.8s			LR	LR	
LYN	LuoYang	21.33	72	eP	P	15 11 33.3 +7.4
LYN				S	Sn	15 15 27.3 -2.9
LYN				S	SnSn	15 15 56.8 +12
LYN	comp=Z,24nm,0.5s			pmax	pmax	
LYN	comp=Z,600nm,11.7s			LR	LR	
LYN	comp=Z,520nm,11.7s			LR	LR	
LYN	comp=Z,1µm,8.9s			LR	LR	
KURBB	Kurchatov Arra	21.39	344	P	P	15 11 26.2 -0.3
KURBB	comp=Z,14nm,1.0s,baz=159,slow=10,SNR=28			PcP	PcP	
KURBB	comp=Z,0.5nm,0.3s,baz=149,slow=2.0,SNR=5.5			LR	LR	
KURBB	comp=Z,24nm,1.0s			LR	LR	
KURK	Kurchatov	21.45	344	P	P	15 11 26.1 -1.0
KURK	comp=Z,60nm,1.4s			IAMB	IAMB	
KURK	Kurchatov	21.45	344	P	P	15 11 26.2 -1.0
KURK				P	P	15 15 28.3
KURK	Taiyuan	21.76	64	P	S	15 11 38.0 +7.3
KURK				S	S	15 15 32.8 +1.3
KURK	comp=N,580nm,9.6s			LR	LR	
KURK	comp=E,420nm,8.9s			LR	LR	
KURK	comp=Z,460nm,13.1s			LR	LR	
HRA	Hera	21.84	287	P	P	15 11 31.7 0.0
HHC	Hu-ho-hao-te	22.01	55	eP	S	15 11 34.0 +0.6
HHC				S	S	15 15 32.5 -3.9
HHC				S	S	15 15 40.8 -2.3
HHC	comp=Z,7.0nm,0.7s			pmax	pmax	
HHC	comp=Z,160nm,4.7s			LR	LR	
HHC	comp=Z,430nm,13.6s			LR	LR	
HHC	comp=Z,520nm,13.6s			LR	LR	
HHC	comp=Z,670nm,13.0s			LR	LR	
SONM	Songino Array	22.62	34	P	P	15 11 40.9 +1.0
SONM	comp=Z,4.0nm,0.9s,baz=226,slow=11,SNR=22			PcP	PcP	
SONM	comp=Z,0.5nm,0.4s,baz=228,slow=2.8,SNR=2.8			LR	LR	
SONM	comp=Z,170nm,21.1s,baz=214,slow=41			LR	LR	
SONM	comp=Z,4.0nm,0.9s			LR	LR	
BRZS	Berezinski	22.64	334	P	P	15 11 41.0 +1.1
BRZS	comp=Z,21nm,1.8s			pmax	pmax	
ULN	Ulaanbaatar	22.97	35	P	P	15 11 43.1 -0.4
ULN				IAMB	IAMB	
ULN	Ulaanbaatar	22.97	35	eP	P	15 11 43.4 -0.2
ULN				pmax	pmax	
WHN	Wuhan	22.99	83	eP	P	15 11 48.8 +5.1
WHN				pP	pP	15 11 51.8 +1.7
WHN				S	S	15 15 52.6 -1.6
WHN	comp=Z,110nm,1.1s			pmax	pmax	
WHN	comp=Z,3µm,9.6s			LR	LR	
WHN	comp=Z,2µm,9.5s			LR	LR	
WHN	comp=Z,3µm,9.0s			LR	LR	
QIZ	Qiongzong	23.03	114	P	P	15 11 44.4 +0.1
QIZ				S	S	15 15 55.1 -0.1
QIZ	comp=Z,440nm,12.4s			LR	LR	
QIZ	comp=Z,470nm,13.1s			LR	LR	
QIZ	comp=Z,330nm,8.0s			LR	LR	
ZAK	Zakamensk	23.20	26	eP	P	15 11 46.2 +0.4
ZAK				pmax	pmax	
HNS	HongShan	23.48	65	eP	P	15 11 52.0 +3.4
HNS				S	S	15 16 04.6 +2.4
HNS	comp=Z,10.0nm,0.8s			pmax	pmax	
HNS	comp=Z,490nm,10.4s			LR	LR	
HNS	comp=Z,420nm,12.6s			LR	LR	
MOY	Mondy	23.49	21	eP	P	15 11 48.5 -0.2
MOY				pmax	pmax	
ZAAO	Zalesovo Array	23.68	356	IAMB	IAMB	15 11 54.6
ZALV	Zalesovo Beam	23.68	356	P	P	15 11 50.7 +0.2
ZALV	comp=Z,7.7nm,0.8s,baz=181,slow=9.4,SNR=18			PcP	PcP	
ZALV	comp=Z,1.9nm,0.9s,baz=190,slow=4.1,SNR=3.5			LR	LR	
ZALV	comp=Z,302nm,19.4s,baz=172,slow=40			LR	LR	
ZALV	comp=Z,7.7nm,0.8s			LR	LR	
PALK	Pallekele	23.86	197	LR	LR	15 21 37.6
PALK	comp=Z,219nm,19.2s,baz=26,slow=38			LR	LR	
PALK	Pallekele	23.86	197	eP	P	15 11 53.6 +1.1
PALK				pmax	pmax	
IRK	Irkutsk	25.07	24	eP	P	15 12 02.9 -0.4
IRK				pmax	pmax	
BVAR	Borovoye Array	25.95	336	P	P	15 12 11.4 +0.1
BVAR	comp=Z,4.8nm,0.7s,baz=146,slow=12,SNR=19			PcP	PcP	
BVAR	comp=Z,1.8nm,0.5s,baz=147,slow=2.7,SNR=8.4			LR	LR	
BVAR	comp=Z,406nm,18.1s,baz=143,slow=39			LR	LR	
BVAR	comp=Z,4.8nm,0.7s			LR	LR	
BRVK	Borovoye	26.02	336	eP	P	15 12 11.8 -0.1
BRVK				pmax	pmax	
BRVK	Borovoye	26.02	336	eP	P	15 12 12.9 +1.0
BRVK				pmax	pmax	
XLT	XiLinHaoTe	26.24	51	eP	P	15 12 13.8 -0.3
XLT				pP	pP	15 12 18.4 -0.4
XLT	comp=Z,5.0nm,0.8s			pmax	pmax	
XLT	comp=Z,180nm,7.2s			LR	LR	
XLT	comp=Z,650nm,10.6s			LR	LR	
XLT	comp=Z,440nm,11.3s			LR	LR	
NJ2	Nanjing	26.68	78	eP	P	15 12 17.6 -0.5
NJ2				pmax	pmax	
WSAR	Wadi Sarin	26.82	262	LR	LR	15 23 24.8
WSAR	comp=Z,122nm,19.6s,baz=108,slow=38			P	P	15 12 27.2 -0.6
WSAR	comp=Z,122nm,19.6s,baz=108,slow=38			P	P	15 12 32.0 +0.2
WSAR	comp=Z,122nm,19.6s,baz=108,slow=38			P	P	15 12 37.3 -2.2
WSAR	comp=Z,122nm,19.6s,baz=108,slow=38			eS	eS	15 17 27.5 -3.7
WSAR	comp=Z,23nm,0.9s			pmax	pmax	
DL2	comp=Z,740nm,17.0s			LR	LR	
DL2	comp=Z,450nm,19.0s			LR	LR	

DL2	comp=Z,550nm,11.8s			LR	LR	
PSI	Prapat	29.39	157	LR	LR	15 26 54.2
AKTO	Aktyubinsk	29.91	321	P	P	15 12 47.2 +0.5
AKTO	comp=Z,3.6nm,0.5s,baz=117,slow=7.4,SNR=13			PcP	PcP	
AKTO	comp=Z,1.8nm,0.7s,baz=94,slow=5.6,SNR=3.9			LR	LR	
AKTO	comp=Z,269nm,18.2s,baz=44,slow=39			LR	LR	
AKTO	comp=Z,3.6nm,0.5s			LR	LR	
SVE	Sverdiolovsk	32.52	332	eP	P	15 13 10.8 +1.1
SVE				pmax	pmax	
CN2	Changchun	32.71	55	P	P	15 13 17.9 +6.5
CN2				pmax	pmax	
ARTI	Arti	33.17	330	P	P	15 13 15.3 0.0
ARTI	Arti	33.17	330	P	P	15 13 15.3 0.0
ARTI	comp=Z,1.4nm,0.7s,baz=138,slow=5.9,SNR=18			PcP	PcP	
ARTI	comp=Z,2.6nm,0.8s,baz=172,slow=7.1,SNR=2.3			LR	LR	
ARTI	comp=Z,243nm,18.7s,baz=127,slow=39			LR	LR	
ARTI	comp=Z,14nm,0.7s			LR	LR	
AKT	Akhty	33.93	300	eP	P	15 13 22.9 +0.6
AKT				e	e	15 14 34.2
AKT				e	e	15 18 47.6
AKT				pmax	pmax	
AKT				pmax	pmax	
KRSR	Korea Array	33.96	67	P	P	15 13 20.4 -2.0
KRSR	comp=Z,1.3nm,0.8s,baz=257,slow=6.9,SNR=2.5			PcP	PcP	
MAK	Makhachkala	34.28	303c	/P	P	15 13 20.0 -5.2
MAK				eS	eS	15 18 43.8 -8.4
MAK				pmax	pmax	
MAK	comp=Z,19nm,0.3s			MLR	MLR	
MAK	comp=Z,779nm,17.0s			MLR	MLR	
BNX	BinXian	34.48	52	eP	P	15 13 30.8 +4.0
BNX				pmax	pmax	
JOW	Kunigami	35.69	85	LR	LR	15 28 42.3
JOW	comp=Z,190nm,20.2s,baz=316,slow=37			LR	LR	
HEH	HeiHe	35.70	45	eP	P	15 13 37.6 +0.3
HEH				pmax	pmax	
HEH	comp=Z,6.0nm,1.1s			LR	LR	
HEH	comp=Z,540nm,11.4s			LR	LR	
HEH	comp=Z,320nm,10.5s			LR	LR	
HEH	comp=Z,380nm,7.6s			LR	LR	
GNI	Garni	36.10	298	LR	LR	15 30 36.3
GNI	comp=Z,126nm,18.0s,baz=92,slow=40			LR	LR	
GNI	Garni	36.10	298	eP	P	15 13 43.2 +2.1
GNI				pmax	pmax	
GNI	comp=Z,8.0nm,1.1s			P	P	15 13 42.2 +0.3
SBUM	Sibu	36.20	135	P	P	15 13 20.9
BELG	Belogomoye	36.61	319	LR	LR	15 13 43.8 -1.2
BELG	comp=Z,141nm,19.4s,baz=91,slow=39			LR	LR	
BELG	Belogomoye	36.61	319	eP	P	15 13 43.8 -1.2
BELG				pmax	pmax	
JNU	Nakatsue	36.66	74	LR	LR	15 30 55.5
JNU	comp=Z,94nm,18.8s,baz=282,slow=40			LR	LR	
NCK	Nalchik	37.19	303f	eP	P	15 13 49.9 -0.2
NCK				pmax	pmax	
NCK	comp=Z,9.0nm,0.9s			P	P	15 13 52.0 -0.2
NCK	USSuriysk Arr	37.43	56	P	P	15 13 52.0 -0.2
NCK	comp=Z,3.2nm,0.9s,baz=225,slow=8.5,SNR=4.2			LR	LR	
USRK				LR	LR	15 30 06.8
USRK	comp=Z,110nm,20.2s,baz=261,slow=38			LR	LR	
USRK	comp=Z,3.2nm,0.9s			P	P	15 13 52.0 -0.2
USRK	USSuriysk Arr	37.43	56	P	P	15 13 54.1 -0.4
KBZ	Khabaz	37.71	303	P	P	15 13 54.1 -0.4
KBZ	comp=Z,3.1nm,1.0s,baz=121,SNR=4.7			LR	LR	
KBZ	comp=Z,204nm,20.4s,baz=86,slow=38			LR	LR	
KBZ	comp=Z,3.1nm,1.0s			LR	LR	
KBZ	Khabaz	37.71	303j	eP	P	15 13 54.7 +0.2
KBZ				pmax	pmax	
KBZ	comp=Z,7.0nm,1.3s			pmax	pmax	
GOF	Kislovodsk	37.76	306c	eP	P	15 13 59.0 +4.1
KIV	Kislovodsk	37.89	304	eP	P	15 13 57.1 +1.0
KIV				pmax	pmax	
KIV	comp=Z,8.0nm,1.0s			MLR	MLR	
KIV	comp=Z,171nm,16.0s			MLR	MLR	
SHA1	Shidzhatmat	37.89	303f	eP	P	15 13 56.5 +0.2
RAYN	Ar Rayn	38.04	270	P	P	15 13 57.4 -0.2
RAYN	Ar Rayn	38.04	270	P	P	15 13 57.4 -0.2
RAYN				pmax	pmax	
KLR	Kul'dur	38.12	48	LR	LR	15 30 02.0
KLR	comp=Z,102nm,21.0s,baz=262,slow=37			LR	LR	
KLR	Kul'dur	38.12	48	eP	P	15 13 57.8 -0.2
KLR				pmax	pmax	
KLR	comp=Z,15nm,1.7s			P	P	15 30 54.7
KIRV	Kirov	38.40	329	LR	LR	15 14 00.6 +0.5
KIRV	comp=Z,177nm,18.3s,baz=127,slow=38			LR	LR	
KIRV	Kirov	38.40	329	eP	P	15 14 11.9
NRK	Noril'sk	39.04	360	IAMB	IAMB	15 14 05.1 -0.3
NRK	comp=Z,25nm,1.2s			IAMB	IAMB	
NRK	Noril'sk	39.04	360	P	P	15 14 05.1 -0.3
NRK	comp=Z,11nm,1.0s,baz=180,slow=4.4,SNR=10			LR	LR	
NRK	comp=Z,398nm,18.2s,baz=156,slow=38			LR	LR	
NRK	comp=Z,11nm,1.0s			LR	LR	
NRK	Noril'sk	39.04	360	eP	P	15 14 05.5 +0.1
NRK				pmax	pmax	
NRK	comp=Z,21nm,1.2s			pmax	pmax	
LABN	Labinsk	39.35	305	eP	P	15 14 11.9 +3.6
LABN				pmax	pmax	
ERBR	Yeremizinovo-Bor	39.62	306	eP	P	15 14 15.5 +4.9
ERBR				pmax	pmax	
VRH	Novokhoporsky	3				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like ILAR Eielson Array, BVAR Borovoye Array, WRA Warramunga Arr, ASAR Alice Springs.

NEIC 20 15:40:31.6±0.8, 31°32'N, 103°03'45W, 0.04, h1km±1km, mb_L2.3/11, ML2.7/46, Error ellipse: s-maj=6.9km s-min=2.8km az=307.0, Western Texas

Main table for station 1183, listing various stations like PECS Pecos, MNHN Monahans, ALPN Alpine, OZNA Ozona, etc., with their respective coordinates and parameters.

NEIC 20 15:42:15.9±1.5, 9°59'N, 0°09'125.9'E, 0.1, h111km±6km, mb4.3/20, Error ellipse: s-maj=20.1km s-min=13.2km az=81.0

IDC 20 15:42:17.3±1.3, 9°57'N, 125°91'E, h132km±12km, mb3.7/18, mbtmp4.1/19, Error ellipse: s-maj=25.4km s-min=8.9km az=77.0

ISC 20 15:42:14.6±0.4, 9°65'N, 0°05'125.9'E, 0.1, h100km, n55, s133/52, mb4.3/26, Mindanao

Main table for station 1183, listing various stations like DAV Davao City (W), WRA Warramunga Arr, WBE2 Warramunga Arr, etc., with their respective coordinates and parameters.

Table for station 1181, listing stations like H1N3 WAKE ISLAND Hy, ULN Ulaanbaatar, STKA Stephens Creek, etc., with their respective coordinates and parameters.

STR 20 15:45:20.2±1.1, 41°N, 8°E, h10km, MLV2.9/17, Error ellipse: s-maj=0.0km s-min=0.0km az=170.7, preliminary

MDD 20 15:45:21.9±0.2, 41°09'N, 1°03'E, h12km, mb_Lg3.0/61, Error ellipse: s-maj=1.6km s-min=1.0km az=147.0

LDG 20 15:45:21.9±0.1, 40°99'N, 1°02'E, h10km, ML2.9/19, Error ellipse: s-maj=2.5km s-min=1.6km az=139.0

MRB 20 15:45:21.3±0.2, 41°00'N, 1°00'E, h22km, mb_Lg3.0/61, Error ellipse: s-maj=1.3km s-min=0.5km az=121.0

ISC 20 15:45:19.3±1.1, 40°39'N, 0°02'105E, 0.02, h10km±9km, n100, s192/182, 1C-1D, Balearic Islands

Main table for station 1181, listing various stations like CODE Station Name, EPOB Poblet, EBR Bro Roquetas, etc., with their respective coordinates and parameters.

Main table for station 1181, listing various stations like E0901 Beuda, E0901 Chisagues Biel, E0901 Mallorca, etc., with their respective coordinates and parameters.

20d 15h

Table with columns: LOR, CABF, Station Name, Az, El, Sg, Sg, Az, El, Sg, Sg

BUI 20 15:49:44.0, 35:20N-27:77E, h10km, mB5.2/16, mb4.8/59, Ms4.7/23, Ms7.4/5/23
NAO 20 15:49:48.8, 35:69N-28:28E, h10km, mb4.6
IDC 20 15:49:48.2, 0.4, 35:75N-28:17E, h0km, mb4.8/34, mbmp4.8/45, ML4.5/8, MS4.3/68, Error ellipse: s-maj=11.1km s-min=9.4km az=152.0

MOS 20 15:49:48.4, 1.1, 35:64N-28:39E, h10km, mb5.0/31, MS4.2/15, Error ellipse: s-maj=5.2km s-min=2.9km az=86.0
NEIC 20 15:49:50.3, 35:51N-28:17E, h26km, Moment Tensor Solution. Duration: 15s Moment tensor: Scale 10^16Nm; Mn:0.11; Mw:2.92; Mo:3.02; Mo:0.66; Mo:0.40; Mo:0.56; Fault plane solution: Ms:12.000x10^16 NP1:Ms4.40000, S73.99000, L177.11000. NP2:Ms139.20000, S87.22000, L16.03000. Principal axes: T 3.1074, P149.0000, Azms:0.000; N 0.0267, Plg74.0000, Azm149.0000; P -3.1342, Plg9.0000, Azm273.0000

ATH 20 15:49:50.2, 35:54N-28.18E, h10km, Mw5.0, Moment Tensor Solution. s8 Moment tensor: Mn:0.12; Mw:3.66; Mo:3.54; Mo:0.80; Mo:0.12; Mo:0.67; Fault plane solution: NP1:Ms46.00000, S74.00000, L179.00000. NP2:Ms136.00000, S89.00000, L16.00000
NEIC 20 15:49:50.3, 2.2, 35:61N-0:03-28:29E-0.06, h10km, mb4.9, mb5.0/189, Mw4.9/22 Error ellipse: s-maj=8.3km s-min=5.6km az=257.0

AFAD 20 15:49:50.5, 35:54N-28:19E, h2km, Mw4.7, MED_RC 20 15:49:50.0, 0.2, 35:52N-28:14E, h28km, Mw5.0/36, Moment Tensor Solution. Body waves: s3,c3; Mantle waves: s36,c49; Duration: 192 Moment tensor: Scale 10^16Nm; Mn:0.09; Mo:2.1; Mo:4.02; Mo:1.1; Mo:1.30; Mo:3.0; Mo:0.04; Mo:1.4; Mo:0.80; Mo:2.3; Best double couple: Ms4.34000, L1016, NP1:Ms44.00000, S70.00000, L176.00000. NP2:Ms135.00000, S86.00000, L20.00000. Principal axes: T 4.4100, Plg17.0000, Azm1.0000; N -0.1400, Plg70.0000, Azm146.0000; P -4.2700, Plg11.0000, Azm268.0000; N1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=35s.

NEIC 20 15:49:50.3, 35:61N-28:29E, h26km HLW 20 15:49:52.1, 35:68N-28:35E, h32km, Mw4.7, M4.9 NIC 20 15:49:52.2, 35:62N-28:41E, h16km, Mw4.1, M4.8/4 MSCM 20 15:49:53.0, 0.3, 36:1N-3:28E, h36km, Mw4.9, mb2.5, MLv5.0, Mw(mB)4.5

GII 20 15:49:53.7, 0.0, 35:50N-0:003-28:30E-0:001, h60km, Mw4.9/8, confirmed THE 20 15:49:54.3, 35:76N-28:31E, h13km, Mw4.7/9, Error ellipse: s-maj=1.3km s-min=0.6km az=357.0 GCMT 20 15:49:55.3, 0.2, 35:72N-0:02-28:24E-0:01, h26km, Mw4.9, Mw5.0/109, Moment Tensor Solution. s38,c44; s109,c161; Duration: 0 Moment tensor: Scale 10^16Nm; Mn:0.77; Mo:3.02; Mo:1.0; Mo:3.79; Mo:1.2; Mo:2.44; Mo:2.6; Mo:0.12; Mo:0.9; Mo:0.24; Mo:20; Best double couple: Ms4.19700x10^16 NP1:Ms39.00000, S64.00000, L159.00000. NP2:Ms138.00000, S71.00000, L27.00000. Principal axes: T 4.5810, Plg33.0000, Azm0.0000; N -0.7710, Plg57.0000, Azm17.0000; P -3.8140, Plg4.0000, Azm267.0000; N1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BGR 20 15:50:19.0, 37:51N-26:46E, h33km, mb4.5 ISC 20 15:50:19.7, 0.6, 35:61N-0:02-28:28E-0:02, h23km, Mw4.9, n139, e1937/1159, mb49/162, MS4.4/73, 73C-33D, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res

2019 JAN

Main table with columns: ZKR, AML, AML, 15 51 05.4, Station Name, Az, El, Phase ID, Time, Res

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Main table with columns: KOCA, VLY, PTL, GULN, GULN, MERSIN, GULnar, 4.31 81, Station Name, Az, El, Phase ID, Time, Res

Table with columns for call sign, name, frequency, power, and other details. Includes stations like MSBI Mazada, ZNM Zenema, GAZ Gaziantep, etc.

Table with columns for call sign, name, frequency, power, and other details. Includes stations like A050A Klekovaca, A051A Mrakovica, MORH Mrgy, Hungary, etc.

Table with columns for call sign, name, frequency, power, and other details. Includes stations like TREC Trest, TREC Trest, KRLC Kraikly, etc.

Table with columns for call sign, name, frequency, power, and other details. Includes stations like TREC Trest, TREC Trest, KRLC Kraikly, etc.

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2019 JAN

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MNK, PLN, CLL, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like ESBP, ESDC, ESDC, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MORB, LEIR, STOK, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like ZSN Zaisan, SCO Scoresbysund, KBS Kingsbay, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like YAK Xian, YAK Xian, YAK Xian, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like D23K Nanushuk River, D23K Nanushuk River, E29M Blow River, etc.

Table with columns: region, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like WBSI Waikabubak, Su, WBSI Plampang, TWSI Taliwang, etc.

Table with columns: Lofoten, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like LOF Lofoten, LOF Lofoten, LOF Lofoten, etc.

Table with columns: HFS, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like HFS baz=353,slow=28, HFS baz=358,slow=28, etc.

Table with columns: ATH 20:16:43:17.2,37.60N:20.64E, h10km, ML2.3/5, Error ellipse: s-maj=2.3km s-min=1.1km az=37.0, Ionian Sea. Includes stations like ORTH Orthonies, Zaky, KYPS Kipseli, Zakin, etc.

Table with columns: Lofoten, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like LOF Lofoten, LOF Lofoten, LOF Lofoten, etc.

Table with columns: HFS, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like HFS baz=353,slow=28, HFS baz=358,slow=28, etc.

Table with columns: ATH 20:16:43:38.1,37.61N:20.67E, h14km, ML2.5/5, Manual Solution by D.Makariz This location: 20:20:09/25 13:30:20 ML Amplitudes are expressed in micrometers. Includes stations like LTHK Lithakia, ORTH Orthonies, Zaky, etc.

Table with columns: Lofoten, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like LOF Lofoten, LOF Lofoten, LOF Lofoten, etc.

Table with columns: DNK 20:17:17:40.2:2.5, 82.00N:5.78W, h2km, 23km, ML2.9, DC 20:17:17:41.5:6.8, 81.90N:5.22W, h0km, mb3.5/3, etc. Includes stations like NOR Nord, NOR Nord, etc.

Table with columns: NAO 20:17:02:35.5:0.6, 66.82N:14.00E, ML2.7, DC 20:17:02:35.7:1.4, 66.80N:14.09E, h0km, mbtmp2.9/4, etc. Includes stations like KONS Konsvik, KONS Konsvik, etc.

Table with columns: Lofoten, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like LOF Lofoten, LOF Lofoten, LOF Lofoten, etc.

Table with columns: KBS Kingsbay, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like KBS Kingsbay, KBS Kingsbay, etc.

Table with columns: UPP 20:17:02:35.9:2.4, 66.80N:14.11E, h0km, ML2.3, BER 20:17:02:35.6:3.7, 66.82N:13.81E, h0km, ML2.1, etc. Includes stations like STOK Stokkvaagen, STOK Stokkvaagen, etc.

Table with columns: Lofoten, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like LOF Lofoten, LOF Lofoten, LOF Lofoten, etc.

Table with columns: DAG Danmarks Havn, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like DAG Danmarks Havn, DAG Danmarks Havn, etc.

Table with columns: FAUS Fauske, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like FAUS Fauske, FAUS Fauske, etc.

Table with columns: Lofoten, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like LOF Lofoten, LOF Lofoten, LOF Lofoten, etc.

Table with columns: ARCES ARCES Array B, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like ARCES ARCES Array B, ARCES ARCES Array B, etc.

Table with columns: STEI Steigen, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like STEI Steigen, STEI Steigen, etc.

Table with columns: Lofoten, Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like LOF Lofoten, LOF Lofoten, LOF Lofoten, etc.

Table with columns: NNC 20:17:38:26.4:1.8, 45.42N:84.83E, h0km, mb3.5, mpv3.3, Error ellipse: s-maj=12.9km s-min=8.3km az=110.0, etc. Includes stations like ZSN Zaisan, ZSN Zaisan, etc.

20d 17h

Table with columns for station code, name, coordinates, and seismic data (Sg, Pg, Lg, etc.). Includes stations like MAKZ, DJR, ARXK, CHBI, AKAR, CUR, UKR, ULGR, ELDR, TEEL, KURK.

Station coordinates and metadata for stations like IDC, BUI, DJA, NEIC, and ISC.

Main table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Res (ISC). Lists stations from DAV to WRA.

2019 JAN

Main table with columns: Station Name, Coordinates, Magnitude (M), Phase ID, Time (h:m:s), Res (ISC). Lists stations from ASAJ to ARTI.

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Main table with columns: Station Name, Coordinates, Magnitude (M), Phase ID, Time (h:m:s), Res (ISC). Lists stations from PPT to Q20K.

comp=Z,0.9nm,0.4s,baz=35,slow=7.0,SNR=4.4
comp=Z,0.9nm,0.4s

SJA 20 18:05:07.1±0.8,30.16Sx71.28W,h12km,5km,ML2.6,
MW2.8
GUC 20 18:05:08.8±0.6,30.21Sx71.20W,h53km,3km,ML2.7
ISC 20 18:05:11.4±1.4,30.22S,0.05s,71.26W,0.07,h26km,11km,
n15,±122/28,Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like La Serena, Tololo Observa, El Pedregal, Juntas del Tor, Rodeo, Cerro Coronel, Leoncito, GUANDACOL, Usपालता, San Esteban, Vinchina, Salagasta, Valle Fertii, CERRO LA CRUZ, PUNTA DE LOS L, Bering, Krutoberegovo, Kiyuchi, Kirishev, Kamenistaya, Koyto, Koryzsk, Esso, Uglova, Avacha, Arik, Koryaka, Dalky, Karmyshinskiy, Petropavlovsk, Gorely, Apacha, Eielson Array, WAKE ISLAND Hy, Kurchatov Arra, Alice Springs, Makanchi Array, Lajitas Array, Alice Springs, Kurchatov Arra.

KRSC 20 18:06:21.5±1.1,54.91N,164.72E,h48km,28km,ML4.0
ISC 20 18:06:26.5±3.5,54.98N,164.61E,h36km,48km,mb3.2/5,
mbmp3.4/6,ML2.5/1,Error ellipse: s-maj=40.0km
s-min=23.8km az=161.0

ISC 20 18:06:24.1±0.8,55.00N,0.07,164.74E,0.06,h27km,n28,
±139/27,mb3.5/5,Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Bering, Krutoberegovo, Kiyuchi, Kirishev, Kamenistaya, Koyto, Koryzsk, Esso, Uglova, Avacha, Arik, Koryaka, Dalky, Karmyshinskiy, Petropavlovsk, Gorely, Apacha, Eielson Array, WAKE ISLAND Hy, Kurchatov Arra, Alice Springs, Makanchi Array, Lajitas Array, Alice Springs, Kurchatov Arra.

NNC 20 18:25:40.3±4.6,36.32N,70.40E,h0km,mb3.9,mpv3.6,
6C-2D,Error ellipse: s-maj=37.1km s-min=29.9km
az=166.0,Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Karatay Array, Alice Springs, Chumysh, Tokmak 2, Tokmak 2, Abbulak array, Alice Springs, Marisa.

ISC 20 18:33:25.2±1.7,0.54N,125.35E,h0km,mb3.3/4,
mbmp3.3/4,Error ellipse: s-maj=186.8km s-min=22.3km
az=65.0
DJA 20 18:33:32.7±1.4,1.1N,3.12E,h18km,13km,M3.6/12,
mb3.6/1,MLV3.5/12
ISC 20 18:33:33.0±1.0,0.6N,0.1,125.70E,0.05,h50km,n9,
±212/11,mb3.4/4,Northern Molocca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Ternate, Cibinong, Luwuk, Marisa.

Table with columns: NLAI, WRA, ASAR, MKAR, KURBB. Includes stations like Namlea, Warramunga Arr, Alice Springs, Makanchi Array, Kurchatov Arra.

ISC 20 18:43:19.7±2.0,6.65S,129.60E,h0km,mb3.4/2,
mbmp3.5/5,ML3.7/3,MS3.1/2,Error ellipse: s-maj=90.7km
s-min=26.9km az=77.0

ISC 20 18:43:34.9±1.5,7.44S,0.10,129.6E,0.2,h150km,n6,
±3503/8,Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Fitzzy Crossi, Warramunga Arr, Kurchatov Arra, Alice Springs, Honiara, Kurchatov Arra, Alice Springs, Honiara, Kurchatov Arra.

NOU 20 18:55:36.8,17.27S,167.27E,h0km,MLV3.8/16,Vanuatu
Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Devils Point, Honiara, Kouroum, Kouroum, New Ca, Kouroum, Mamie plateau, Mamie plateau, Mont Dzumac, Mont Dzumac, Ouen Toro, Ouen Toro, Ouen Toro, Ouen Island, Ouen Island.

ISC 20 18:57:41.8±5.4,28.54S,74.97E,h0km,mb3.8/6,
mbmp3.8/6,Error ellipse: s-maj=188.8km s-min=30.9km
az=42.0

ISC 20 18:57:42.5±3.8,28.75S,70.74E,0.06,h10km,n16,
±574/7,mb3.9/6,Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Diego Garcia H, Diego Garcia H, Diego Garcia H, CROZET ISLANDS, CROZET ISLANDS, CROZET ISLANDS, CROZET ISLANDS, CROZET ISLANDS, Alice Springs, Warramunga Arr, Makanchi Array, Sonm, Borovoye Array, Zalesovo Beam, Yellowknife Arr.

NOU 20 19:13:12.9,6.82S,130.32E,h231km,MLV4.3/7,Banda
Sea

ISC 20 19:13:16.9±9.0,7.33S,129.89E,h161km,95km,mb2.9/1,
mbmp3.7/4,Error ellipse: s-maj=85.8km s-min=26.9km
az=36.0

ISC 20 19:13:13.6±1.2,7.10S,0.08,130.20E,0.09,h150km,n11,
±357/13,Taninbar Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Bandanaira, Fak Fak, Darwin Rock St, Mantion Dam, Kakadu, Soe, Baumaeta, Fitzzy Crossi, Warramunga Arr, Alice Springs, Makanchi Array.

NOU 20 19:35:09.9,4.0,5.75S,148.48E,h0km,mb3.2/1,
mbmp3.7/3,ML3.9/1,Error ellipse: s-maj=124.4km
s-min=43.0km az=104.0,New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, Makanchi Array.

ISC 20 19:35:09.9,4.0,5.75S,148.48E,h0km,mb3.2/1,
mbmp3.7/3,ML3.9/1,Error ellipse: s-maj=124.4km
s-min=43.0km az=104.0,New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, Makanchi Array.

0.5nm,0.5s,baz=46,slow=10,SNR=20
0.5nm,0.5s
TORD Torodi Arr 146.45 285 PKPbc PKPdf 19 54 53.3 +0.5
0.2nm,0.4s,baz=59,slow=3.5,SNR=4.4

ISC 20 19:42:09.7±0.7,35.78N,137.44E,h241km,7km,mb3.3/4,
mbmp3.8/5,Error ellipse: s-maj=32.2km s-min=17.3km
az=107.0

JMA 20 19:42:10.0±0.2,35.9N,0.9,137.4E,0.9,h243km,1km,
MV3.0/26,WESTERN NAGANO PREF
ISC 20 19:42:09.9±0.9,35.88N,0.08,137.38E,0.08,h243km,6km,
n26,±954/31,mb3.7/4,Eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kuroka, Kuroka, Kuroka, Yamagataniai, Inuyama, Inuyama, MAJO, MAJO, MJAR, MJAR, JYN, JYN, JRY, JRY, JOD2, JOD2, JST, JST, JWZ, JWZ, JWC, JWC, JAW, JAW, JWG, JWG, JMD, JMD, JMU, JMU, JMN, JMN, JNU, JNU, ILAR, ILAR, WRA, WRA, ASAR, ASAR, FINES, FINES.

ISC 20 19:57:35.9±2.3,48.67N,129.04W,h10km,MLSn3.0/13,
MW3.6/13,234km west of Tofino, Bc Vancouver Island,
Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEPTUNE Canada, OP889, Brooks Peninsula, Eliza Dome, Nootka, Port Alice, BC, Holberg, Maynard, Port Hardy, Newcastle Ridg, Newcastle Ridg, Campbell River, Mount Grey, Texada, Cowichan Lake, Nanaimo Lost, Bella Bella, Whistler, Butedale, Rockport, Lillooet, Mount Fremont.

ISC 20 20:04:00.1±10.0,7.04S,128.50E,h72km,110km,mb2.9/1,
mbmp3.7/4,ML4.0/3,Error ellipse: s-maj=110.1km
s-min=36.0km az=39.0

ISC 20 20:04:03.5±1.6,7.55S,0.1,128.3E,0.1,h100km,n5,
±3501/7,Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Baumaeta, Fitzzy Crossi, Warramunga Arr, WRA, ASAR Alice Springs, ASAR, MKAR Makanchi Array.

NEIC 20 20:18:01.1±1.2,19.5N,0.1,145.7E,0.2,h136km,10km,
mb4.5/34,Error ellipse: s-maj=28.1km s-min=14.3km
az=101.0

ISC 20 20:18:02.2±2.5,19.39N,145.88E,h158km,24km,
mb3.6/17,mbmp4.1/19,Error ellipse: s-maj=21.9km
s-min=11.3km az=84.0

ISC 20 20:18:01.4±0.5,19.43N,0.06,145.8E,0.1,h150km,n61,
±338E/7,mb4.3/34,Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Guam, Guam, GUMO, GUMO, JGF, JGF, MJAR, MJAR, H1S3, H1S3, H1S1, H1S1, H1S2, H1S2, H1N1, H1N1, H1N2, H1N2.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like H11N3 WAKE ISLAND, ERM Ermo, KSRs Korea Array, etc.

ADC 20:20:46:05.2:12.0, 15:17S: 174.69W, h247km, 112km, mb3.5/5, mbtmp4.1/5, Error ellipse: s-maj=48.0km s-min=37.1km az=152.0

ISC 20:20:46:05.2:1.4, 15:25:0.3:174.7W:0.3, h250km, n8, 05419J, mb3.4/5, Tonga Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like URZ Urewera, STKA Stephens Creek, WRA Warramunga Arr, etc.

PGC 20:21:03:06:8.2, 4.48:58N-129:06W, h10km, ML.SN2.9/14, Mw3.5/14, 235km west of Tofino, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NCHR NEPTUNE Canada, NCHR NCHR, NCR89 ODP889

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BPBE Brooks Peninsula, EDB Eliza Dome, NTKA Nootka, etc.

ADC 20:21:07:04.2:1.8, 34:72N:89:58E, h0km, mb3.4/2, mbtmp3.2/6, ML2.5/4, Error ellipse: s-maj=64.7km s-min=23.5km az=61.0, Xizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arr, SONM Songoing Array, etc.

ADC 20:21:14:09.4:10.0, 23:25S: 179.72W, h424km, 117km, mb3.2/6, mbtmp4.0/7, Error ellipse: s-maj=87.4km s-min=26.1km az=177.0

NEIC 20:21:14:18.4:1.4, 23:39S:0.1:179.8W:0.2, h527km, 12km, mb4.3/17, Error ellipse: s-maj=23.4km s-min=14.8km az=50.0

ISC 20:21:14:16.3:0.7, 23:39S:0.1:179.8W:0.1, h500km, n28, 139Z77, mb4.2/15, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NIUE Niue, URZ Urewera, URZ 4.5m, EIDS Eidsvoll, etc.

JMA 20:22:01:21.4:0.3, 25:13N:3:123:1E:0.7, h155km, 3km, MV2.7/15, NW OFF ISHIGAKIJIMA IS

ISC 20:22:01:22.4:2.2, 25:0N:0.1:123:14E:0.04, h146km, 17km, n19, 0566Z4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, JKRS Kuro-shima, etc.

ADC 20:22:11:44.7:1.8, 54:94N:164:55E, h0km, mb3.4/2, mbtmp3.4/3, ML2.5/1, Error ellipse: s-maj=125.1km s-min=25.6km az=154.0

KRSC 20:22:11:45.7:0.7, 54:83N:164:58E, h50km, 23km, ML3.6

ISC 20:22:11:47.9:0.9, 54:89N:164:64E:0.06, h27km, n21, 0587Z22, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BKI Bering, BKB Bering, KBTR Krutoberegovo, etc.

ADC 20:22:56:04.3, 6:30S: 128:94E, h251km, 42km, mb2.5/1, mbtmp3.7/4, Error ellipse: s-maj=83.4km s-min=16.9km az=70.0

ISC 20:22:55:7.1, 6:33S:0.1:128:8E:0.2, h250km, n5, 15177Z, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BATI Baunata, FITZ Fitzroy Crossi, FITZ Haines Junction, etc.

ADC 20:22:30:47.6:1.0, 60:97N:0:03:138:67W:0.03, h10km, 8km, n15, 0565Z23, Southern Yukon Territory

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YUK6 Outpost Mounta, YUK4 Talbot Arm, YUK4 Steele Glacier, etc.

ISC 20:22:53:05:7.0, 9:34:57N:47:34E, h25km, 8km, ML2.6

TEH 20:22:53:06.1, 34:64N:46:30E, h8km, 49km

ISC 20:22:53:07.5:1.5, 34:71N:0:06:46:36E:0.04, h10km, n12, 2502Z12, Western Iran

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IDHR Dehras, IGHG Galeghazi, ILIN Lien, etc.

ADC 20:23:07:45.8:1.6, 21:88S:169:51E, h0km, mb3.8/5, mbtmp3.7/6, ML3.3/1, MS3.7/2, Error ellipse: s-maj=45.6km s-min=31.0km az=8.0

NOU 20:23:08:01.9, 21:96S:168:35E, h0km, MLV3.0/5, Loyalty Islands

ISC 20:23:07:50.0:1.3, 21:38S:0:2:169:4E:0.1, h25km, n13, 0574Z12, mb3.7/5, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

21d Oh

Table with columns: DOB, Dobj, 1.91, 7, ePn, Pn, 23 36 07.7 +0.2, CROK Carrier, 1.24 356, Pg, 23 42 53.4 -0.5, LLO1 comp=Z,9.8nm,1.0s, IAMB, IAMB, 00 13 29.2

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Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, Code, Station Name, A° AZ°, Phase ID, Time, Res

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Table with columns: BDFB Brasilia, 19.66 68, P, IAMB, IAMB, 00 13 33.0 +1.1, BDFB comp=Z,7.1nm,0.8s, IAMB, IAMB, 00 13 34.0

Table with columns: FITZ Fitzroy Crossi, 12.06 198, Op, ISC, h m s ISC, 00 12 48.4 +0.1, FITZ 0.4nm,0.3s,baz=22,slow=19,SNR=13

Table with columns: JMA JMA 21 00:24:23.1, 40:70N, 142:61E, h28km, MW4.6, Moment Tensor Solution, s3 Moment tensor, Scale: 1015Nm

Table with columns: JKEN Kujedananisaw, 0.85 232, I/P, Pn, 00 24 38.7 -1.5, JKEN Kujedananisaw, 0.85 232, A, Pn, 00 24 49.5 -2.1

Table with columns: JAH Hidakashinhida, 1.67 357, A, Pn, 00 24 51.9, JSI2 Shiura 2, 1.66 292, A, Pn, 00 24 51.8

Table with columns: JMW Warramunga Arr, 14.05 161, Pn, Pn, 00 13 15.7 +0.1, WRA 0.4nm,0.3s,baz=340,slow=13,SNR=15

Table with columns: ASAJ Asahikawa, 3.38 0, P, P, 00 25 15.1 +0.3, ASAJ comp=100nm,0.4s,baz=207,slow=12,SNR=29

Table with columns: NEIC 20:23:42:30.4±1.0, 35:27N±0.01, 97:88W±0.009, h6km±3km, Error ellipse: s-maj=1.8km s-min=0.9km az=1009

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, Code, Station Name, A° AZ°, Phase ID, Time, Res

Table with columns: IDC 21 00:09:55.0±2.0, 6:00S, 129:57E, h0km, mb3.6/1, mbtmp3.6/4, ML3.7/3, Error ellipse: s-maj=83.1km

Table with columns: BUI 21 00:24:20.3, 40:60N, 142:85E, h41km, mb5.0/12, mb4.5/43, Ms4.2/14, Ms7.4/0/14

Table with columns: JANG Nango, 0.89 246, A, Pn, 00 24 39.8, JANG Nango, 0.89 246, A, Pn, 00 24 39.8

Table with columns: JOT Ohata, 1.32 300, A, Pn, 00 24 46.2, JOT Ohata, 1.32 300, A, Pn, 00 24 46.2

Table with columns: JWA Warramunga Arr, 13.55 207, P, P, 00 25 08.6 +0.6, JWA comp=Z,1.6km s-min=1.4km az=49.0, Oklahoma

Table with columns: ASAJ Asahikawa, 3.38 0, P, P, 00 25 15.1 +0.3, ASAJ comp=100nm,0.4s,baz=207,slow=12,SNR=29

ASAJ	comp=E,69nm,0.5s,baz=156,slow=20,SNR=4.4	LR	LR	00 26 29.0
JKA	comp=E,213nm,21.3s,baz=190,slow=37	P	P	00 25 15.1 +0.3
YUK	Kamikawa-asahi 3.38 0	Pn	Pn	00 25 23.6 -1.0
YUK	Yuzh-Kuril'sk 4.09 35	eS	eS	00 26 07.0 -4.2
YUK	comp=E,55nm,0.3s	Pmax	Pmax	
YUK	comp=Z,186nm,0.3s	Pmax	Pmax	
YUK	comp=N,486nm,0.2s	Smax	Smax	
YUK	comp=E,11m,0.6s	Smax	Smax	
JSD	Sado 4.30 233	Pn	Pn	00 25 28.9 +1.5
MJAO	Matsu Arr-Jizo 5.39 220	Pn	Pn	00 25 45.5 +3.0
MJAO	comp=Z,1.0nm,0.3s	Pmax	Pmax	
MJB9	Matsu Tunnel 5.41 221	Pn	Pn	00 25 45.1 +2.4
MAJO	Matsushiro 5.41 221	Pn	Pn	00 25 45.2 +2.4
MAJO	Matsushiro 5.41 221cP	Pn	Pn	00 25 45.2 +2.4
MJAR	Matsushiro Arr 5.41 221	Pn	Pn	00 25 44.8 +2.0
MJAR	comp=Z,1.7nm,0.7s,baz=52,slow=13,SNR=30	P	P	
MJAR	comp=Z,358nm,19.9s,baz=49,slow=44	LR	LR	00 28 26.7
KUR	Kuril'sk 5.93 39	eP	Pn	00 25 48.6 -1.3
KUR	Kuril'sk 5.93 39	eS	Sn	00 26 54.6 -1.9
KUR	comp=Z,190nm,0.5s	Pmax	Pmax	
KUR	comp=N,73nm,0.6s	Pmax	Pmax	
KUR	comp=E,16nm,0.3s	Smax	Smax	
KUR	comp=N,114nm,0.4s	Smax	Smax	
KUR	comp=E,101nm,0.7s	Smax	Smax	
TEY	Ferne 6.14 316	eP	Pn	00 25 53.4 +0.7
YSS	Yuzhno-Sakhal 6.21 1	Pn	Pn	00 25 53.5 +0.3
YSS	Yuzhno-Sakhal 6.21 1	eP	Pn	00 25 54.2 +0.5
YSS	Yuzhno-Sakhal 6.21 1	eS	Sn	00 27 01.7 -1.7
YSS	comp=Z,40nm,0.9s	Pmax	Pmax	
YSS	comp=Z,600nm,11.0s	MLR	MLR	
YSS	comp=N,400nm,18.0s	MLR	MLR	
YSS	comp=E,400nm,16.0s	MLR	MLR	
JGF	Kuroka 6.57 220	Pn	Pn	00 26 01.4 +2.6
INU	Inuyama 6.94 221	Pn	Pn	00 26 06.3 +2.6
JHJ	Hachioji jima 2 7.93 197	P	P	00 26 18.9 +1.7
JHJ	comp=E,60nm,0.3s,baz=73,slow=20,SNR=2.0	S	S	
VLA	Vladivostok 8.32 290	eP	Pn	00 27 40.0 -5.6
USA0B	Ussuriysk Arra 8.56 297	Pn	Pn	00 26 25.6 +0.7
USK	Ussuriysk Arr 8.56 297	Pn	Pn	00 26 27.4 +1.5
USK	comp=E,16nm,0.6s,baz=108,slow=14,SNR=19	LR	LR	00 29 42.0
MSHR	Mye Shuitsa 8.75 286	eP	Pn	00 26 29.8 +1.3
MSHR	comp=Z,26nm,1.0s	Pmax	Pmax	
PSTR	Posyet 9.02 286	eP	Pn	00 26 33.6 +1.5
JMN	Monobe 9.85 227	Pn	Pn	00 26 45.6 +2.0
TYV	Tomvskoe 10.13 0	P	Pn	00 26 54.4 +7.1
TYV	comp=Z,10.0nm,0.8s	Pmax	Pmax	
TYV	comp=Z,200nm,3.9s	Pmax	Pmax	
TYV	comp=Z,11m,18.0s	MLR	MLR	
MDJ	Mudanjiang 10.32 296	Pn	Pn	00 26 52.4 +2.4
KLR	Kul'dur 11.43 322	P	Pn	00 27 05.9 +0.8
KLR	comp=Z,4.5nm,1.0s,baz=132,slow=14,SNR=7.5	LR	LR	00 31 27.0
KSR5	Korea Array 11.85 259	P	Pn	00 27 13.2 +2.2
KSR5	comp=Z,2.7nm,0.7s,baz=70,slow=12,SNR=5.3	S	S	
KSR5	comp=Z,9.2nm,1.0s,baz=70,slow=24,SNR=5.8	LR	LR	00 31 28.8
KSR5	comp=Z,565nm,18.1s,baz=65,slow=36	LR	LR	00 27 14.5 +0.8
JNU	Nakatsue 12.05 235	P	Pn	00 27 16.1 +0.8
HEH	HeiHe 14.25 317	eP	Pn	00 27 46.5 +3.0
HEH	comp=Z,4.0nm,1.0s	Pmax	Pmax	
PETK	Petrovskovsk 16.07 35	P	Pn	00 28 08.4 +1.0
PETK	comp=Z,3.7nm,0.9s,baz=216,slow=7.1,SNR=1.8	LR	LR	00 34 03.9
PETK	comp=Z,132nm,21.1s,baz=221,slow=36	LR	LR	00 28 12.3 -1.8
ZEa	Zeya 16.61 327	eP	Pmax	
ZEa	comp=Z,10.0nm,1.1s	Pmax	Pmax	
ZEa	comp=Z,200nm,14.0s	MLR	MLR	
HIA	Hailar 18.21 306	P	P	00 28 32.3 -1.4
HIA	Hailar 18.21 306	P	P	00 28 32.3 -1.4
HIA	comp=Z,16nm,1.1s	Pmax	Pmax	
MA2	Magadan 19.55 13	LR	LR	00 37 24.2
XLT	XilinHaoTe 19.82 288	eP	P	00 28 39.5 -1.2
XLT	comp=Z,5.0nm,0.6s	Pmax	Pmax	
BJT	Baijiatuu 20.11 277	P	P	00 28 53.1 -1.4
BJT	Baijiatuu 20.11 277	P	P	00 28 53.2 -1.4
BJT	comp=Z,13nm,1.1s	Pmax	Pmax	
TIA	Tai'an 20.41 265	P	P	00 28 57.8 0.0
TIA	comp=Z,1.1nm,0.5s,baz=191,slow=12,SNR=13	P	P	00 29 07.5 -0.9
YAK	Yakutsk 22.70 344	P	P	00 29 19.4 -2.8
YAK	comp=Z,12nm,0.3s,baz=133,slow=18,SNR=2.0	S	S	
YAK	comp=Z,10.0nm,0.3s,baz=114,slow=20,SNR=1.5	LR	LR	00 33 22.0 -5.2
YAK	comp=Z,7.1nm,18.5s,baz=114,slow=38	LR	LR	00 38 41.1
YAK	Yakutsk 22.70 344	eP	P	00 29 20.5 -1.7
YAK	Yakutsk 22.70 344	eS	S	00 29 22.1 -0.5
YAK	Yakutsk 22.70 344	eSS	S	00 33 24.0 -3.2
YAK	Yakutsk 22.70 344	Pmax	Pmax	00 33 39.8 -4.0
YAK	comp=Z,9.0nm,0.8s	Pmax	Pmax	
YAK	comp=N,4.0nm,0.3s	Pmax	Pmax	
YAK	comp=E,1.0nm,1.3s	Pmax	Pmax	
YAK	comp=Z,48nm,2.1s	Pmax	Pmax	
YAK	comp=N,36nm,2.2s	Pmax	Pmax	
YAK	comp=E,19nm,2.7s	Smax	Smax	
YAK	comp=N,78nm,2.5s	Smax	Smax	
SEY	Seymchan 22.98 12	P	P	00 29 23.0 -2.1
SEY	Seymchan 22.98 12	eP	Pmax	00 29 26.7 +1.6
HHC	Hu-ho-hao-te 23.43 281	eP	P	00 29 28.5 -1.3
HHC	Hu-ho-hao-te 23.43 281	S	S	00 33 37.0 -2.9
HHC	comp=Z,16nm,0.5s	Pmax	Pmax	
HHC	comp=Z,200nm,6.3s	Pmax	Pmax	
HHC	comp=Z,220nm,13.5s	LR	LR	
HHC	comp=Z,300nm,14.3s	LR	LR	
HHC	comp=Z,430nm,14.3s	LR	LR	
BOD	Bodaibo 25.00 323	eP	Pmax	00 29 42.5 -1.5
BOD	comp=Z,13nm,1.1s	Pmax	Pmax	
ULN	Ulanbaatar 26.23 298	eP	P	00 29 56.0 +0.6
ULN	comp=Z,7.0nm,1.3s	Pmax	Pmax	

SONM	Songino Array 26.67 298	P	P	00 29 59.5 +0.1
SONM	comp=Z,2.6nm,0.6s,baz=92,slow=9.1,SNR=23	P	P	
SONM	comp=Z,0.3nm,0.6s,baz=113,slow=3.3,SNR=2.2	PcP	PcP	00 33 22.1 +0.1
SONM	comp=Z,327nm,18.6s,baz=70,slow=38	LR	LR	00 41 09.0
ZAK	Zakamensk 28.86 303	eP	Pmax	00 30 18.4 -0.4
ZAK	comp=Z,5.0nm,1.2s	Pmax	Pmax	
H11N2	WAKE ISLAND Hy 29.49 128	T	T	01 01 25.2
H11N1	WAKE ISLAND Hy 29.50 128	T	T	01 02 03.2
H11N3	WAKE ISLAND Hy 29.51 128	T	T	01 01 35.9
BILL	Bilibino 30.22 17	eP	Pmax	00 30 30.6 0.0
BILL	comp=Z,5.0nm,1.3s	Pmax	Pmax	
H11S1	WAKE ISLAND Hy 30.32 130	T	T	01 03 08.1
H11S3	WAKE ISLAND Hy 30.32 130	T	T	01 03 15.4
H11S2	WAKE ISLAND Hy 30.34 130	T	T	01 03 10.2
LZH	Lanzhou 30.53 274	eP	P	00 30 34.5 +0.6
LZH	Lanzhou 30.53 274	eP	P	00 30 41.0 -4.5
LZH	comp=Z,13nm,1.2s	Pp	Pp	
LZH	comp=Z,250nm,14.4s	LR	LR	
LZH	comp=Z,230nm,15.8s	LR	LR	
TIXI	Tiksi 31.74 352	LR	LR	00 44 26.6
GTA	Gaotai 32.52 282	eP	P	00 30 51.1 -0.2
GTA	comp=Z,3.0nm,0.8s	Pmax	Pmax	
GTA	comp=Z,150nm,13.8s	LR	LR	
GTA	comp=Z,230nm,15.6s	LR	LR	
GTA	comp=Z,250nm,17.1s	LR	LR	
PZH	PanZhiHua 36.52 260	Pmax	Pmax	00 31 26.8 +0.9
PZH	comp=Z,10.0nm,0.5s	Pmax	Pmax	
PZH	comp=Z,100nm,4.8s	Pmax	Pmax	
KMI	Kunming 36.55 257	eP	Pmax	00 31 26.9 +0.6
KMI	comp=Z,8.0nm,0.9s	Pmax	Pmax	
KMI	comp=Z,310nm,12.0s	LR	LR	
KMI	comp=Z,250nm,15.5s	LR	LR	
GOMU	GeErMu 37.31 279	P	Pmax	00 31 33.8 +0.9
GOMU	comp=Z,17nm,0.8s	Pmax	Pmax	
WMQ	Urumqi 40.10 293	eP	P	00 31 56.8 +1.0
WMQ	Urumqi 40.10 293	eP	P	00 32 04.5 -3.2
WMQ	comp=Z,16nm,0.7s	Pmax	Pmax	
WMQ	comp=Z,130nm,18.9s	LR	LR	
ZAA0	Zalesovo Array 40.19 309	P	P	00 31 55.5 -0.8
ZAA0	comp=Z,5.8nm,0.8s	Iamb	Iamb	00 32 10.9
ZALV	Zalesovo Beam 40.19 309	P	P	00 31 55.9 -0.4
ZALV	comp=Z,6.6nm,0.5s,baz=89,slow=8.9,SNR=41	PcP	PcP	00 33 59.8 +0.2
ZALV	comp=Z,1.3nm,0.4s,baz=85,slow=3.1,SNR=6.1	LR	LR	00 49 27.2
ZALV	comp=Z,216nm,19.0s,baz=72,slow=37	LR	LR	00 31 57.4 +0.1
ZALV	comp=Z,6.6nm,0.5s	LR	LR	00 32 11.4
NRIK	Noril'sk 40.33 333	P	Iamb	00 31 56.8 -0.5
NRIK	comp=Z,1.1nm,0.7s	Pmax	Pmax	
NRIK	Noril'sk 40.33 333	P	P	00 31 56.8 -0.5
NRIK	comp=Z,2.1nm,0.5s,baz=99,slow=5.7,SNR=7.3	LR	LR	00 49 26.3
NRIK	comp=Z,198nm,20.6s,baz=126,slow=37	LR	LR	00 31 57.4 +0.1
NRIK	comp=Z,2.1nm,0.5s	Pmax	Pmax	00 32 11.4
NRIK	Noril'sk 40.33 333	P	Pmax	00 31 57.4 +0.1
NRIK	comp=Z,11nm,0.9s	Pmax	Pmax	
PHRA	Phrae 42.45 251	P	P	00 32 16.4 +1.2
MAN	Manus Island 42.80 173	P	P	00 32 19.9 +1.8
MK31	Makanchi Array 43.02 299	P	P	00 32 19.3 -0.4
MK31	Makanchi Array 43.02 299	eP	P	00 32 19.3 -0.4
MKAR	Makanchi Array 43.02 299	P	P	00 34 19.4 -0.2
MKAR	comp=Z,4.0nm,0.5s,baz=82,slow=9.9,SNR=114	PcP	PcP	00 34 09.2 0.0
MKAR	comp=Z,0.3nm,0.4s,baz=58,slow=5.0,SNR=1.0	P	P	
Q19K	Cape Douglas 43.12 43	P	P	00 32 20.2 -0.1
CHTO	Chiang Mai 43.17 253	P	P	00 32 21.0 -0.1
CHTO	Chiang Mai 43.17 253	P	P	00 32 21.0 -0.1
CHTO	comp=Z,5.0nm,0.9s	Pmax	Pmax	
MAKZ	Makanchi 43.23 299	P	P	00 32 20.6 -0.6
MAKZ	comp=Z,10.0nm,0.9s	Iamb	Iamb	00 32 24.8
MAKZ	Makanchi 43.23 299	P	Pmax	00 32 20.7 -0.6
MAKZ	comp=Z,10.0nm,1.0s	Pmax	Pmax	
CMAR	Chiang Mai Arr 43.40 252	P	P	00 32 22.7 -0.3
CMAR	comp=Z,1.5nm,0.5s	LR	LR	00 51 16.8
CMAR	comp=Z,96nm,18.3s,baz=60,slow=37	LR	LR	
CMAR	comp=Z,2.0nm,0.3s	Pmax	Pmax	
KURK	Kurchatov 44.45 305	P	P	00 32 30.4 -0.5
KURK	Kurchatov 44.45 305	P	P	00 32 31.4 +0.4
KURK	Kurchatov 44.45 305	P	P	00 34 13.8
KURBB	Kurchatov Arra 44.53 305	P	P	00 32 31.4 -0.2
KURBB	comp=Z,12nm,0.9s,baz=80,slow=8.5,SNR=40	P	P	00 34 13.8 -0.3
KURBB	comp=Z,0.9nm,0.5s,baz=81,slow=3.6,SNR=1.8	LR	LR	00 51 43.3
KURBB	comp=Z,110nm,19.7s,baz=178,slow=37	LR	LR	
G23K	Bananza Creek 44.55 32	P	Iamb	00 32 32.8 +1.2
G23K	comp=Z,12nm,0.9s	Iamb	Iamb	00 32 47.7
NEA2	Nenana 44.98 35	P	Iamb	00 32 36.2 +1.1
NEA2	comp=Z,3.4nm,0.6s	Iamb	Iamb	00 32 39.7
COLA	College 45.48 34	eP	P	00 32 39.7 +0.7
IL31	Eielson Array 45.90 34	P	P	00 32 42.4 +0.1
IL31	Eielson Array 45.90 34	P	P	00 32 41.9 -0.5
ILAR	Eielson Array 45.90 34	P	LR	00 53 24.7
ILAR	comp=Z,5.0nm,18.8s,baz=276,slow=38	LR	LR	
ILAR	comp=Z,1.0nm,0.7s	Pmax	Pmax	
ILAR	Eielson Array 45.90 34	eP	Pmax	00 32 43.2 +0.8
ILAR	comp=Z,1.0nm,0.7s	Pmax	Pmax	
E25K	Arctic Village 46.26 30	P	P	00 32 46.4 +1.2
PRP	Porcupine Dome 46.42 33	P	P	00 32 47.7 +1.1
FYU	Fort Yukon 46.47 32	P	Iamb	00 32 48.0 +1.3
FYU	comp=Z,4.0nm,0.9s	Iamb	Iamb	00 33 04.6
BMAR	Burnt Mountain 46.67 30	P	P	00 32 50.1 +1.8
L26K	Log Cabin Wild 47.65 36	P	Iamb	00 32 55.4 +0.3
L26K	comp=Z,7.7nm,0.9s	Iamb	Iamb	00 33 16.0
F28M	Old Crow 48.45 30	P	Iamb	00 33 04.2 +2.0
F28M	comp=Z,4.3nm,1.0s	Iamb	Iamb	00 33 23.5
BVAR	Borovoye Array 48.82 310	P	P	00 33 05.3 +0.1
BVAR	comp=Z,5.8nm,0.4s,baz=71,slow=8.9,SNR=38	LR	LR	00 54 54.6
BVAR	comp=Z,190nm,18.1s,baz=46,slow=38	LR	LR	
BVAR	comp=Z,5.8nm,0.4s	LR	LR	
BRVK	Borovoye 48.87 310	P	Iamb	00 33 05.7 +0.2
BRVK	comp=Z,6.2nm,0.8s	Iamb	Iamb	00 33 07.0
BRVK	Borovoye 48.87 310	eP	Pmax	00 33 05.9 +0.3
BRVK	comp=Z,6.0nm,0.8s	Pmax	Pmax	
AAK	Ala-Archa 49.61 296	P	P	00 33 10.6 -1.0
AAK	Ala-Archa 49.61 296	eP	P	00 33 11.4 -0.2

AAK	comp=Z,10.0nm,2.5s	Pmax	Pmax	
KSH	Kashi 49.81 292	P		

21d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KWP, KOLS, KOLN, etc.

BGR 21 00:35:46.0, 22.54S, 170.04E, h24km, 1km
GCMT 21 00:35:49.0, 21.89S, 0.01:169.04E, 0.01, h23km,
MW5, 4/146, Moment Tensor Solution, s129.c227;

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MARNC, YATNC, OUCNC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CTAO, AMCZ, AMBZ, etc.

IDC 21 00:35:43.0, 0.4, 21.87S, 169.14E, h0km, mb5.1/25,
mbmp5.1/27, MLS, 2/22, MS4, 9/53, Error ellipse:
s-maj=14.9km s-min=9.7km az=167.0

WBO Warramunga Arr 32.52 267 P P 00 42 15.1 -1.0
WRB Warramunga Arr 32.52 267 P P 00 42 15.0 -1.2
WRAB Tennant Creek 32.53 267 P P 00 42 14.7 -1.5

21d 0h

Table with columns for station ID, name, elevation, and various performance metrics (S, P, M, etc.). Includes stations like CD2, HHC, MA2, and others.

2019 JAN

Table with columns for station ID, name, elevation, and various performance metrics (NVL, MLR, etc.). Includes stations like O18K, M16K, L15K, and others.

1200

Table with columns for station ID, name, elevation, and various performance metrics (SONM, VTX, CCAC, etc.). Includes stations like SONM, VTX, CCAC, and others.

SLBS	Sierra La Lagu	90.76	65	P	P	00 48 49.5 +1.0
TRF	Thorore Moun	90.78	17	P	P	00 48 46.0 -1.8
GMN	Gold Mountain	90.81	50	Iamb	Iamb	00 48 50.0
I20K	Naaghdeneel	90.82	15	IAMS_20	IAMS_20	01 21 59.5
I20K	Naaghdeneel	90.82	15	P	P	00 48 45.7 -1.9
F17K	Baldwin Pennin	90.82	11	P	P	00 48 47.7 +0.1
F17K	Baldwin Pennin	90.82	11	P	P	00 48 47.1 -0.5
LSA	Lhasa	90.83	302	P	P	00 48 49.0 -0.2
LSA	Lhasa	90.83	302	P	P	00 48 49.0 -0.2
G18K	Tagagawik	90.84	13	IAMS_20	IAMS_20	01 22 20.0
G18K	Tagagawik	90.84	13	P	P	00 48 47.2 -0.6
GOMU	Geerlu	90.85	309	P	P	00 48 48.0 -1.0
GOMU	GOMU			pP	pP	00 48 58.8 +1.0
GOMU	GOMU			pP	pP	00 49 01.5 +0.2
GOMU	GOMU			LR	LR	
GOMU	GOMU			LR	LR	
GOMU	GOMU			LR	LR	
MESA	MESA	90.88	22	P	P	00 48 48.1 -0.2
MESA	MESA	90.88	22	P	P	00 49 00.5
MESA	MESA	90.88	22	P	P	00 48 46.9 -1.4
M24K	Tolsona, Glenn	90.92	19	P	P	00 48 47.2 -1.1
RADR	Rader Ridge	90.96	40	P	P	00 48 48.9 0.0
RADR	Rader Ridge	90.96	40	Iamb	Iamb	00 49 05.0
H19K	Roundabout Mou	90.99	14	P	P	00 48 47.9 -0.5
N25K	Chitina, Valde	91.04	20	Iamb	Iamb	00 48 49.2
N25K	Chitina, Valde	91.04	20	P	P	00 48 47.8 -1.1
H04A	Detroit Lake	91.05	42	IAMS_20	IAMS_20	01 23 18.9
BPWA	Bear Paw Mtn.	91.11	16	P	P	00 48 48.9 -0.2
VRDI	Verde Repeater	91.13	21	Iamb	Iamb	00 49 03.6
RND	Reindeer	91.14	18	IAMS_20	IAMS_20	01 28 32.3
GLB	Gilahina Butte	91.17	21	Iamb	Iamb	00 48 49.6
PALK	Pallekele	91.24	27	LR	LR	01 32 22.8
BLYC	Blythe	91.25	54	IAMS_20	IAMS_20	01 24 05.0
CRAC	Craig	91.25	29	P	P	00 48 49.5 -0.3
F18K	Selawik	91.26	12	P	P	00 48 49.2 -0.4
E17K	Hotham Inlet	91.29	11	P	P	00 48 50.0 +0.2
SIT	Sitka	91.30	27	P	P	00 48 49.8 -0.3
H20K	Anotleneega Mo	91.31	14	P	P	00 48 49.9 -0.1
MCK	McKinley	91.37	17	P	P	00 48 49.9 -0.5
G19K	Purcell Mouna	91.38	13	Iamb	Iamb	00 48 51.5
G19K	Purcell Mouna	91.38	13	P	P	00 48 49.2 -1.1
113A	Mohawk Valley	91.40	55	IAMS_20	IAMS_20	01 22 16.1
I05D	Terretenne, OR	91.40	42	Iamb	Iamb	00 48 53.4
NLWA	Neilton Lookou	91.42	39	Iamb	Iamb	00 49 06.4
PINM	Pinnacle	91.43	23	P	P	00 48 49.1 -1.6
HARP	HAARP	91.45	19	P	P	00 48 48.9 -1.8
S31K	Pelican	91.52	26	P	P	00 48 49.8 -1.2
Q09A	Carvers	91.56	49	P	P	00 48 52.1 +0.1
BWN	Browne	91.57	17	Iamb	Iamb	00 49 06.4
D17K	Noatak River	91.63	10	P	P	00 48 51.7 +0.4
BOD	Bodoibo	91.64	334	eP	pmax	00 48 50.1 -1.5
HOOD	Hoat Pass	91.65	28	P	P	00 48 51.4 -0.3
U33K	Mount Hood Mea	91.70	41	P	P	00 48 52.5 +0.1
HOOD	Mount Hood Mea	91.70	41	Iamb	Iamb	00 48 54.6
HOOD	Mount Hood Mea	91.70	41	IAMS_20	IAMS_20	01 23 06.0
BBB	Bella Bella	91.70	33	LR	LR	01 24 52.8
GRNB	Grenville Isla	91.75	31	Iamb	Iamb	00 48 53.4
PAX	Paxson	91.79	19	P	P	00 48 51.2 -1.1
C16K	Lisburne Hills	91.80	9	Iamb	Iamb	00 48 53.6
C16K	Lisburne Hills	91.80	9	P	P	00 48 52.0 -0.1
E18K	Tukpahlearik C	91.81	11	P	P	00 48 51.9 -0.4
F19K	Shalercukik Mo	91.83	12	IAMS_20	IAMS_20	01 22 51.3
F19K	Shalercukik Mo	91.83	12	P	P	00 48 51.6 -0.7
V35K	Ketchikan	91.85	29	P	P	00 48 51.6 -1.0
S32K	Killisnoo	91.88	27	P	P	00 48 52.4 -0.1
S32K	Killisnoo	91.88	27	Iamb	Iamb	00 49 08.6
S32K	Killisnoo	91.88	27	P	P	00 48 52.5 -0.2
O28M	Mount Upton	91.92	22	P	P	00 48 52.5 -0.8
H21K	Melozitna River	91.93	15	IAMS_20	IAMS_20	01 25 11.9
H21K	Melozitna River	91.93	15	P	P	00 48 52.6 -0.2
CBB	Campbell River	91.97	36	P	P	00 48 54.7 +1.4
CBB	Campbell River	91.97	36	Iamb	Iamb	00 48 57.1
RDOG	Red Dog Mine	91.98	10	Iamb	Iamb	00 49 08.7
RDOG	Red Dog Mine	91.98	10	P	P	00 48 52.3 -0.7
R31K	City Hall, Gus	92.01	26	P	P	00 48 52.1 -1.2
NEA2	Nenana	92.01	17	P	P	00 48 51.1 -2.1
CLRS	Cowichan Lake	92.01	37	P	P	00 48 54.5 +1.0
CLRS	Cowichan Lake	92.01	37	Iamb	Iamb	00 48 56.1
P29M	Windy Craggy	92.03	24	P	P	00 48 53.2 -0.3
P29M	Windy Craggy	92.03	24	P	P	00 48 52.7 -0.8
S11A	Rachel	92.04	50	IAMS_20	IAMS_20	01 26 09.7
HSIG	HSIG	92.06	60	Iamb	Iamb	00 48 55.7
GNW	Green Mountain	92.12	39	Iamb	Iamb	00 48 56.6
M26K	Nabesna, AK	92.14	20	P	P	00 48 52.9 -1.0
O29M	Mount Kennedy	92.18	23	P	P	00 48 53.4 -0.8
O29M	Mount Kennedy	92.18	23	Iamb	Iamb	00 49 06.2
O29M	Mount Kennedy	92.18	23	P	P	00 48 53.2 -1.0

WRAC	Wrangell Islan	92.18	28	P	P	00 48 54.1 0.0
WRH	Wood River Hil	92.18	17	IAMS_20	IAMS_20	01 28 51.9
WVOR	Wolver Horse Val	92.22	45	Iamb	Iamb	00 49 08.5
G06A	Carlson Farm,	92.28	42	Iamb	Iamb	00 49 08.4
W13A	Hualapai Moun	92.30	53	P	P	00 48 55.5 -0.1
W13A	Hualapai Moun	92.30	53	IAMS_20	IAMS_20	01 23 45.6
MENT	Mentasta	92.30	20	Iamb	Iamb	00 49 08.9
MENT	Mentasta	92.30	20	P	P	00 48 54.0 -0.6
LON	Longmire	92.31	40	Iamb	Iamb	00 48 56.4
PGC	Sidney	92.31	38	P	P	00 48 55.2 +0.3
PGC	Sidney	92.31	38	Iamb	Iamb	00 49 13.4
C17K	Delong Mountai	92.32	10	P	P	00 48 54.5 -0.1
K24K	Donnelly Dome	92.32	18	P	P	00 48 55.0 +0.3
ZAK	Zakamensk	92.36	324	eP	pmax	00 48 55.1 -0.2
ZAK	Zakamensk	92.36	324	pmax	pmax	
I23K	Minto, Yukon-K	92.37	16	P	P	00 48 54.8 0.0
CCB	Clear Creek Bu	92.40	17	Iamb	Iamb	00 49 09.2
CCB	Clear Creek Bu	92.40	17	IAMS_20	IAMS_20	01 27 45.6
R32K	Eaglecrest	92.42	26	P	P	00 48 55.2 0.0
R32K	Eaglecrest	92.42	26	Iamb	Iamb	00 49 10.2
R32K	Eaglecrest	92.42	26	P	P	00 48 55.0 -0.2
YUK8	Steak Glacier	92.43	22	P	P	00 48 55.1 -0.5
I07A	Izeze	92.44	43	Iamb	Iamb	00 48 58.4
F20K	Avaraart Lake	92.44	13	IAMS_20	IAMS_20	01 23 08.3
F20K	Avaraart Lake	92.44	13	P	P	00 48 54.5 -0.6
PLBC	Pleasant Camp	92.44	25	P	P	00 48 55.1 -0.2
HDA	Harding Lake	92.45	18	Iamb	Iamb	00 48 55.2
HDA	Harding Lake	92.45	18	IAMS_20	IAMS_20	01 27 38.0
HDA	Harding Lake	92.45	18	P	P	00 48 53.7 -1.6
R11B	Troy Canyon, C	92.46	50	Iamb	Iamb	00 48 57.6
R11B	Troy Canyon, C	92.46	50	IAMS_20	IAMS_20	01 23 18.9
R11B	Troy Canyon, C	92.46	50	P	P	00 48 55.9 -0.3
H22K	Ishaitaina Cre	92.46	15	P	P	00 48 54.5 -0.8
M27K	Edge Creek, AK	92.47	21	P	P	00 48 55.0 -0.6
Y14A	Wickenburg	92.47	54	Iamb	Iamb	00 48 57.7
Y14A	Wickenburg	92.47	54	IAMS_20	IAMS_20	01 23 39.4
JIS	Juneau Island	92.47	26	P	P	00 48 55.6 +0.2
G21K	Allakaket	92.47	14	IAMS_20	IAMS_20	01 29 36.3
G21K	Allakaket	92.47	14	P	P	00 48 55.0 -0.3
L26K	Log Cabin Wild	92.48	20	Iamb	Iamb	00 48 55.9
L26K	Log Cabin Wild	92.48	20	P	P	00 48 54.5 -1.0
E19K	Redstone River	92.48	12	P	P	00 48 54.9 -0.4
YUK3	Moose Creek	92.53	22	P	P	00 48 54.6 -1.4
RIDG	Independent Ri	92.55	19	Iamb	Iamb	00 48 56.0
RIDG	Independent Ri	92.55	19	P	P	00 48 54.5 -1.3
COLA	College	92.56	17	P	P	00 48 54.9 -0.8
COLA	College	92.56	17	Iamb	Iamb	00 49 09.8
COLA	College	92.56	17	P	P	00 48 53.9 -1.8
COLA	College	92.56	17	P	P	00 48 54.4 -1.3
COLA	College	92.56	17	pmax	pmax	00 48 54.9 -0.8
P30M	Million Dollar	92.66	24	P	P	00 48 55.0 -1.4
YUK6	Outpost Mounta	92.69	23	P	P	00 48 55.9 -0.8
IL31	Eielson Array	92.75	17	Iamb	Iamb	00 48 55.4
ILAR	Eielson Array	92.75	17	P	P	00 48 54.7 -1.9
ILAR	Eielson Array	92.75	17	LR	LR	01 29 20.9
J08A	Circle Bar Ran	92.76	44	Iamb	Iamb	00 48 59.6
J08A	Circle Bar Ran	92.76	44	IAMS_20	IAMS_20	01 27 12.3
C18K	Utukok River	92.80	10	P	P	00 48 55.8 -1.0
IRK	Irkutsk	92.83	326	eP	pmax	00 48 55.2 -2.1
IRK	Irkutsk	92.83	326	pmax	pmax	
BVCY	Beaver Creek	92.84	21	P	P	00 48 56.3 -0.9
SKAG	Skagway	92.85	25	Iamb	Iamb	00 49 04.7
SKAG	Skagway	92.85	25	P	P	00 48 56.8 -0.4
SKAG	Skagway	92.85	25	P	P	00 48 57.7 +0.5
YUK4	Talbot Arm	92.86	22	P	P	00 48 57.5 0.0
POKR	Poker Plat Res	92.86	17	P	P	00 48 55.7 -1.4
POKR	Poker Plat Res	92.86	17	P	P	00 48 56.7 -0.5
HYT	Haines Junctio	92.92	23	Iamb	Iamb	00 48 57.5
HYT	Haines Junctio	92.92	23	P	P	00 48 56.7 -0.9
U35K	Hyder	92.92	29	P	P	00 48 57.9 +0.3
SCRK	Sand Creek	92.98	19	Iamb	Iamb	00 49 12.1
SCRK	Sand Creek	92.98	19	P	P	00 48 56.8 -1.1
L27K	Beaver Creek,	92.99	20	P	P	00 48 56.9 -1.0
L27K	Beaver Creek,	92.99	20	Iamb	Iamb	00 48 58.2
L27K	Beaver Creek,	92.99	20	P	P	00 48 56.8 -1.0
BCAR	Beaver Creek A	93.00	20	P	P	00 48 56.5 -1.4
F07A	Phinny Hill Vi	93.03	41	Iamb	I	

21d Oh

2019 JAN

1202

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like M31M Drury Creek, H03N3 Juan Fernandez, H03N2 Juan Fernandez, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like D27M Malcom River, RDMU Red Mountain, E29M Blow River, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like KMBO Kilima Mbogo, BDFB Brasilia, RAYN Ar Rayn, etc.

1205 2019 JAN 21d 1h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like URZ Urewera, RTZ Ruatuhuna, ARMA Armidale, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like FORT comp=Z,151nm,1.4s, FORT comp=Z,5um,18.0s, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like JOW Kunigami, JMN Monobe, MJAR Matsuhiro Arr, etc.

21d 1h

2019 JAN

1206

MAW	comp=Z,30nm,1.1s,baz=118,slow=7.8,SNR=3.7	LR	LR	02 17 47.0					
TYV	comp=Z,2um,20.3s,baz=96,slow=33								
TYV	TYmovskoe 76.18 343	eP	P	01 48 23.7 +1.7					
TYV	comp=Z,24nm,1.4s								
SNY	comp=Z,700nm,6.8s								
SNY	Shenyang 76.25 327	uP	P	01 48 22.8 +0.2					
SNY	comp=Z,650nm,5.1s								
SNY	comp=Z,620nm,16.1s	LR	LR						
SNY	comp=Z,330nm,17.5s	LR	LR						
CN2	comp=Z,620nm,14.2s	LR	LR						
CN2	Changchun 76.78 329	eP	P	01 48 25.0 -0.6					
CN2	comp=Z,10.0nm,0.7s								
CN2	comp=Z,600nm,4.0s								
CN2	comp=Z,600nm,17.0s	LR	LR						
CN2	comp=Z,600nm,17.0s	LR	LR						
CN2	comp=Z,600nm,17.0s	LR	LR						
NIKH	comp=Z,600nm,18.1s								
NIKH	Nikolski High 76.93 13	P	P	01 48 24.0 -2.2					
BNX	comp=Z,11nm,0.8s								
BNX	comp=Z,520nm,5.8s								
BNX	comp=Z,630nm,19.6s	LR	LR						
BNX	comp=Z,530nm,17.9s	LR	LR						
BNX	comp=Z,640nm,17.0s	LR	LR						
BNX	comp=Z,65nm,1.2s								
GYA	Guiyang 77.43 305	uP	P	01 48 31.3 +1.5					
GYA	comp=Z,11nm,1.1s								
GYA	comp=Z,570nm,5.4s								
GYA	comp=Z,400nm,9.4s	LR	LR						
GYA	comp=Z,310nm,5.4s	LR	LR						
ENH	comp=Z,430nm,10.3s								
ENH	Enshi 77.44 310	IAMB	IAMB	01 48 40.7					
ENH	comp=Z,48nm,1.0s								
BTO	Enshi 77.44 310	P	P	01 48 30.4 +0.7					
SRDT	Enshi 77.69 291	P	P	01 48 33.5 +2.2					
LYN	LuoYang 77.91 315	eP	P	01 48 32.9 +0.7					
LYN	comp=Z,1.1nm,0.7s								
LYN	comp=Z,61nm,1.3s								
LYN	comp=Z,970nm,8.6s								
LYN	comp=Z,900nm,18.6s	LR	LR						
LYN	comp=Z,850nm,19.6s	LR	LR						
GRNR	comp=Z,1um,19.9s								
GRNR	Gornyy 77.97 339	uP	P	01 48 33.2 +1.1					
HNS	comp=Z,10.0nm,0.7s								
HNS	Hongshan 78.25 318	uP	P	01 48 34.9 +1.0					
HNS	comp=Z,46nm,1.1s								
HNS	comp=Z,670nm,9.0s								
HNS	comp=Z,650nm,16.8s	LR	LR						
HNS	comp=Z,490nm,18.3s	LR	LR						
UNV	comp=Z,550nm,18.3s								
UNV	Unalaska Valle 78.27 14	P	P	01 48 31.6 -2.0					
KLR	Kul'dur 78.33 336	LR	LR	02 18 15.9					
KLR	comp=Z,485nm,21.8s								
KLR	Kul'dur 78.33 336	eP	P	01 48 35.2 +1.1					
KLR	comp=Z,59nm,2.8s								
KLR	comp=Z,446nm,17.0s	MLR	MLR						
PHRA	Phrae 78.63 295	P	P	01 48 35.5 -0.9					
BJT	Baijiatau 79.05 321	IAMB	IAMB	01 48 40.9					
BJT	comp=Z,29nm,0.7s								
BJT	Baijiatau 79.05 321	P	P	01 48 39.7 +1.4					
BJT	Beijing 79.06 321	P	P	01 48 39.3 +0.9					
BJT	comp=Z,21nm,0.6s								
BJT	comp=Z,330nm,7.3s								
BJT	comp=Z,230nm,15.6s	LR	LR						
BJT	comp=Z,240nm,17.1s	LR	LR						
BJT	comp=Z,270nm,15.7s	LR	LR						
BELA	Belgrano 2 79.45 175	P	P	01 48 37.7 -2.3					
BELA	comp=Z,35nm,0.8s								
CMAR	Chiang Mai Arr 79.69 295	P	P	01 48 43.5 +1.2					
CMAR	comp=Z,17nm,1.1s,baz=118,slow=5.6,SNR=31	LR	LR	02 24 06.9					
KMI	comp=Z,213nm,20.1s,baz=135,slow=36								
KMI	Kunming 79.77 302	uP	P	01 48 43.8 +0.9					
KMI	comp=Z,31nm,0.8s								
KMI	comp=Z,540nm,6.9s								
KMI	comp=Z,370nm,14.8s	LR	LR						
KMI	comp=Z,560nm,17.0s	LR	LR						
KMI	comp=Z,640nm,16.4s								
CHTO	Chiang Mai 79.85 295	P	P	01 48 42.2 -0.9					
CHTO	Chiang Mai 79.85 295	P	P	01 48 42.3 -0.9					
XAN	comp=Z,17nm,0.8s								
XAN	Xi'an 79.98 313	uP	P	01 48 43.8 +0.2					
XAN	comp=Z,47nm,1.1s								
XAN	comp=Z,1um,7.8s								
XAN	comp=Z,710nm,18.6s	LR	LR						
XAN	comp=Z,800nm,14.2s	LR	LR						
XAN	comp=Z,900nm,17.2s	LR	LR						
SPIA	Saint Paul Isl 80.62 11	P	P	01 48 44.4 -1.9					
HEH	HeiHe 80.84 334	eP	P	01 48 47.8 0.0					
HEH	comp=Z,15nm,0.7s								
HEH	comp=Z,550nm,0.0s								
HEH	comp=Z,550nm,0.0s								
HEH	comp=Z,12nm,1.4s								

HEH	comp=Z,860nm,5.8s								
HEH	comp=Z,460nm,13.3s								
HEH	comp=Z,500nm,13.4s								
HEH	comp=Z,730nm,15.4s								
PZH	PanZhiHua 81.23 303	P	P	01 48 51.8 +1.2					
PZH	comp=Z,10.0nm,0.6s								
PZH	comp=Z,450nm,7.1s								
PZH	comp=Z,520nm,19.0s								
PZH	comp=Z,540nm,20.6s								
XLT	comp=Z,620nm,20.1s								
XLT	XiLinHaoTe 81.65 324	uP	P	01 48 50.3 -2.0					
XLT	comp=Z,15nm,0.7s								
XLT	comp=Z,540nm,5.9s								
XLT	comp=Z,530nm,16.2s	LR	LR						
XLT	comp=Z,560nm,17.0s	LR	LR						
CD2	Chengdu 81.93 308	P	P	01 48 55.9 +1.8					
CD2	comp=Z,20nm,0.7s								
CD2	comp=Z,650nm,7.5s								
CD2	comp=Z,650nm,17.7s	LR	LR						
CD2	comp=Z,640nm,15.7s	LR	LR						
CD2	comp=Z,560nm,15.9s	LR	LR						
HHC	Hu-ho-hao-te 82.30 320	eP	P	01 48 57.3 +1.4					
HHC	comp=Z,33nm,0.6s								
HHC	comp=Z,390nm,5.3s								
HHC	comp=Z,590nm,16.8s	LR	LR						
HHC	comp=Z,660nm,16.8s	LR	LR						
HHC	comp=Z,1um,16.8s	LR	LR						
CHGN	Chignik 82.54 17	P	P	01 48 55.7 -0.8					
MA2	Magadan 82.60 351	LR	LR	02 20 49.1					
CHIR	Chirikof Islan 82.94 19	P	P	01 48 57.5 -1.1					
BTO	Baotou 83.09 319	eP	P	01 49 01.8 +1.8					
BTO	comp=Z,13nm,0.6s								
BTO	comp=Z,510nm,5.6s								
BTO	comp=Z,990nm,12.1s	LR	LR						
BTO	comp=Z,700nm,9.7s	LR	LR						
ELIB	Princess Elisa 83.55 190	eP	P	01 49 01.4 -0.6					
ZEA	Zeya 83.63 336	eS	S	01 49 03.9 +1.6					
ZEA	comp=Z,300nm,6.5s								
ZEA	comp=Z,20nm,1.5s								
ZEA	comp=Z,500nm,9.2s								
SII	Sitkinak Islan 84.00 19	P	P	01 49 01.9 -2.2					
SII	comp=Z,214,SNR=6.2								
M11K	Sitkinak Islan 84.38 12	P	P	01 49 07.7 +3.6					
M11K	Mekoryuk 84.38 12	P	P	01 49 06.6 +0.7					
M11K	comp=Z,41nm,1.0s								
M11K	Mekokuk 84.38 12	P	P	01 49 04.7 -1.2					
PMSA	Palmer Station 84.39 160	LR	LR	02 23 50.6					
O14K	Tiguykaiuet M 84.40 15	IAMS_20	IAMS_20	02 17 22.7					
O14K	Tiguykaiuet M 84.40 15	P	P	01 49 05.2 -0.9					
LZH	Lanzhou 84.58 312	eP	P	01 49 09.0 +1.2					
LZH	comp=Z,1um,20.0s,baz=152,slow=32								
LZH	comp=Z,750nm,5.2s								
LZH	comp=Z,640nm,14.4s	LR	LR						
LZH	comp=Z,620nm,15.8s	LR	LR						
LZH	comp=Z,660nm,15.5s	LR	LR						
O15K	Ungalikthiuk R 84.68 15	P	P	01 49 06.8 -0.7					
R18K	Karluk 84.76 19	P	P	01 49 07.3 -0.6					
OHAK	Old Harbor 84.82 19	P	P	01 49 07.2 -1.0					
OHAK	comp=Z,215,SNR=10								
N14K	Kuskokwak Cree 84.91 14	P	P	01 49					

21d 1h

Table with columns: Station ID, Name, Time, Date, Status, and other metrics. Includes stations like H24K Noodor Dome, E07A Sunnyside, B18K Kokolik River, etc.

2019 JAN

Table with columns: Station ID, Name, Time, Date, Status, and other metrics. Includes stations like E24K Your Creek, E24K Your Creek, X18A Snowflake, etc.

1208

Table with columns: Station ID, Name, Time, Date, Status, and other metrics. Includes stations like E29M Blow River, KOTAN Kotaneleele Air, MOOV Wood Ponds, etc.

21d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like S. Brethren Rd, Arcadia Dam, Battle Ridge R, Quoy, South Haven SW, Manchester OK, Caldwell West, etc.

ICD 21 04:37:14.7-1.3, 27.61S:177.23W, h0km, mb3.6/3, mbmp3.6/3, Error ellipse: s-maj=4.1km s-min=28.0km az=129.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Raoul Island, Alice Springs, Warramunga Arr, Lajitas Array, etc.

SJA 21 04:55:26.8-0.6, 21.26S:66.55W, h250km, 9km, ML3.2, MW3.2

SCB 21 04:55:28.6-1.4, 21.51S:66.66W, h230km, 12km, ML3.2/2, Error ellipse: s-maj=10.0km s-min=7.8km az=0.0

ISC 21 04:55:27.1-1.8, 21.45S:0.05:66.67W, 0.05, h243km, 14km, n32, r1568/46, Southern Bolivia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mochara, Yavi, San Pedro de A, IPOC Station P, etc.

2019 JAN

Table with columns: TA02, Huaiquique, 3.44 289 Pg Pn, AOE4, Aiguile, 3.52 23 Pg Pn, PB12, IPOC Station P, 4.45 309 eP Pn, etc.

SOME 21 05:03:33.5, 39.60N:73.05E, h10km, KRNET 21 05:03:34.3-0.1, 39.60N:73.98E, h13km, mb2.6, NNC 21 05:03:36.6-1.7, 39.71N:74.07E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=12.7km s-min=6.8km az=170.0

ISC 21 05:03:36.0-1.5, 39.66N:0.06:73.95E, 0.04, h10km, n30, r2514/50, 22C-9Z, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Salom-Alik, Osh, Karamyk, Arslanbob, Aral, Arsl, Batken, Almayashu, Uchtor, Arkit, Terek-Say, Manas, Merke, etc.

1212

Table with columns: ETLH, Xiulin Townshi, 0.76 283 eP Pb, ETLH, Yonaguni jima, 0.79 57 eP S, etc.

ICD 21 05:27:16.9-0.5, 51.70N:176.45E, h0km, mb4.4/30, mbmp4.4/34, ML4.8/3, MS3.9/59, Error ellipse: s-maj=14.9km s-min=10.4km az=173.0, BJI 21 05:27:21.5, 51.83N:176.02E, h34km, mb5.2/14, mb4.8/47, Ms4.5/12, Ms7.4/3/13, MOS 21 05:27:21.1-1.1, 51.66N:176.37E, h40km, mb4.9/49, Error ellipse: s-maj=8.1km s-min=5.9km az=102.5, NEIC 21 05:27:23.0-1.2, 51.64N:0.09:176.34E, 0.07, h39km, 4km, mb4.6/257, ML4.4(AEIC), Error ellipse: s-maj=13.7km s-min=5.6km az=195.0, AEIC 21 05:27:24.0-3.9, 51.2N:0.1:176.8E:0.1, h20km, 4km, Error ellipse: s-maj=15.2km s-min=8.8km az=170.0, IC 21 05:27:22.5-0.4, 51.63N:0.07:176.30E:0.03, h38km, 1km, h40km, P-P, n707, r193/608, mb4.6/195, MS4.0/64, 18C-6D, Rist Islands

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Table with columns: Code, Station Name, Δ°, AZ°, Phase, ID, Time, Res, ISC, h, m, s, ISC, Δ. Rows include stations like SHEM Shemya Is, Alai, SHEM Tanaga Southeast, GANO Gareloi North, etc.

2019 JAN

Table with columns: ACHA, Angle Creek He, 17.50 57, Pn, 05 31 23.5 +0.2, etc. Rows include stations like ACHA Angle Creek He, J17K VABM Dome, G16K Koyuk River, etc.

21d 5h

Table with columns: I20K Naaghedeneel, 20.02 38 P, Pn, 05 31 52.8 -0.8, etc. Rows include stations like I20K Naaghedeneel, BRLK Bradley Lake, CAPN Captain Cook S, etc.

21d 5h

Table with columns: ID, Name, Date, Time, Location, Status, Value. Includes entries like D22K Ayikyak River, HDA Hardy Lake, POKR Poker Plat Res, etc.

2019 JAN

Table with columns: ID, Name, Date, Time, Location, Status, Value. Includes entries like H27K Steamboat Moun, C26K Camden Bay, YUK8 Steele Glacier, etc.

1214

Table with columns: ID, Name, Date, Time, Location, Status, Value. Includes entries like R32K Eaglecrest, G31M Satah River, S32K Kilsnoo, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like NSK, NWLT, FUSHOU, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like JIRIF, SCST, ECL, etc.

NEIC 21 07:33:45.4±1.0, 19°35'N, 02°15'55.040W, 0.009, 15km, 1km, Error ellipse: s-maj=4.0km s-min=2.9km az=162.0

HVO 21 07:33:45.0±1.0, 19°36'N, 02°15'53.270W, 0.007, 16km, 4km, ML2.5/34, ML2.6/38(NEIC), Error ellipse: s-maj=3.1km s-min=0.6km az=167.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like JOKA, STCH, KANH, etc.

SJA 21 07:34:26.1±0.8, 19°04'S, 69°37'W, h115km±6km, ML3.6, MW3.6

GUC 21 07:34:28.6±0.8, 19°07'S, 69°41'W, h106km±6km, ML3.5

ISC 21 07:34:30.6±1.6, 19°11'S, 0°46'48W, 0.06, h89km±13km, n24, i126/39, 3C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like G001, G002, G003, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like TA02, PB18, TA01, etc.

CRAAG 21 07:43:22.8, 36°54'N, 4°84'E, ML3.2, Algeria 11km NW Beni-Ouattlane

MDD 21 07:43:28.2±1.4, 36°36'N, 4°94'E, h32km±66km, Mb4.6/19, M_mb4.0/19, Error ellipse: s-maj=37.1km s-min=10.6km az=131.0

ISC 21 07:43:25.8±0.9, 36°49'N, 0°05'4.82E, 0.03, h13km±n26, i109/27, 6C, Northern Algeria

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like CTCHA, CAZD, SE, etc.

NNC 21 07:57:17.9±1.6, 54°38'N, 87°25'E, h0km, mb2.9, mpv2.7, Error ellipse: s-maj=14.8km s-min=9.1km az=5.0, Suspected Mining explosion.

ASRS 21 07:57:18.0±0.9, 54°21'N, 86°98'E, h0km, M2.7, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 21 07:57:20.4±3.0, 54°23'N, 87°15'E, h0km, mbtmp2.7/2, ML2.4/2, Error ellipse: s-maj=25.9km s-min=17.2km az=60.0

ISC 21 07:57:17.3±5.5, 54°4N, 0°28'72E, 0.1, h0km, n7, i1978/10, 4C-3D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like I46RU, ZAAO, ZAAO, etc.

NEIC 21 07:59:14.2±0.9, 25°6'N, 0°1'x, 124°71'E, 0.10, h188km±10km, mb4.2/7, Error ellipse: s-maj=19.2km s-min=10.3km az=153.0

IDC 21 07:59:16.4±3.2, 25°93'N, 124°49'E, h181km±34km, mb3.5/13, mbtmp4.0/14, Error ellipse: s-maj=39.7km s-min=21.0km az=57.0

JMA 21 07:57:19.0±3.2, 26°N, 2°12'E, i, h165km, MV3.7/26, NW OFF MIYAKOJIMA ISLAND

ISC 21 07:59:16.1±0.6, 25°79'N, 0°08'124.38E, 0.05, h189km±8km, n66, i143/83, mb3.9/17, Northeast of Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like JIKM, JTJ, JTJ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Ishigaki jima, Iriomote-Funau, Kuro-shima, Hatsumajima, Yonaguni jima, etc.

ASRS 21 07:59:42.0±0.5, 53.95N±86.63E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 21 07:59:45.6±2.7, 53.95N±86.59E, h0km, mbmt=2.7km, ML2.4/2, Error ellipse: s-maj=21.6km s-min=12.2km az=66.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Zalesovo INFRA, Zalesovo Beam, Kurchatov Arra, etc.

BGR 21 08:17:26.8±26.10N±44.70W, h10km, mb4.7, IDC 21 08:18:03.3±0.6, 30.90N±41.45W, h0km, mb4.3/23, mbtmp=4.3/23, MS3.9/55, Error ellipse: s-maj=18.0km s-min=13.7km az=175.0

NEIC 21 08:18:05.0±1.3, 31.21N±0.04E, 1.41±1.5W, 0.1±1.0km, 1km, mb4.9/134, Error ellipse: s-maj=20.6km s-min=15.5km az=147.0

GCMT 21 08:18:06.0±0.3, 31.16N±0.04E, 1.30W, 0.03, h12km, MW4.8/78, Moment Tensor Solution. s13.c14; s78.c101; Duration: 0 Moment tensor: Scale 10^18Nm. Mrr: 1.46e+07; Mss: 0.48e+09; Mss: 0.97e+06; Mss: 0.16e+26; Mss: 0.93e+04; Mss: -0.74e+24; Best double couple: M1 83800x10^16 Np1.2e242.00000, 647.00000, 1.5.0.00000. NP2: 0.1.1.00000, 855.00000, 1.125.00000. Principal axes: T 1.7040, Pigs.0000, Azm125.0000; N 0.2640, Pigs.0000, Azm33.0000; P -1.9720, Pigs.0000, Azm12.0000; Azm121 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

2019 JAN

ISC 21 08:18:05.0±0.3, 30.95N±0.08E, 1.41±1.5W, 0.1±1.0km, h13km, n270, c075/207, mb4.8/128, MS3.9/55, 2D, Northern

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Cha da Macela, Let Lapin Mar, Bathurst New B, Sherman, Patillas Dam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Tannenbergstha, Wetzeltz, FDMO Fjordfronte, ULM Lac du Bonnet, etc.

21d 8h

Table of station data for 21d 8h, including columns for station name, coordinates, and various parameters like SNR and elevation.

2019 JAN

Main table of station data for 2019 JAN, listing station names, coordinates, and operational status.

1220

Table of station data for 1220, including station names, coordinates, and various parameters.

ADC 21 08:39:07.6: 1.3: 59:73S:25:84W, h0km, mb4.0/3, mbtmp=4.24, ML4.71, Error ellipse: s-maj=53.3km s-min=34.0km az=22.0

NEIC 21 08:39:08.8: 1.9: 59:73S:0:1x27:0W:0:3, h10km, 1km, mb4.6/27, Error ellipse: s-maj=25.7km s-min=18.3km az=22.0

ISC 21 08:39:08.6: 0.5: 59:85S:0:1x27:1W:0:1, h10km, n54, r19159/54, mb4.7/16, SD, South Sandwich Islands region

Table of station data for the South Sandwich Islands region, including station names, coordinates, and various parameters.

21d 9h

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like SONMI Sogino Array, NVAR Mina Array, ILAR Eielson Array, EKA Eskdalemuir Ar, GERS GEREISS Array.

NEIC 21 09:28:18.5-1.1, 2.1, 68S:0.07:45.6E:0.1, h10km, 1km, mb4.4/10, Error ellipse: s-maj=18.3km s-min=11.8km

IDC 21 09:28:21.9-0.8, 13.2:26S:45.52E:0.0, h0km, mb3.8/8, mbmp3.9/9, ML5.1/2, MS3.4/3, Error ellipse: s-maj=28.0km s-min=18.7km az=121.0

ISC 21 09:28:17.8-0.6, 12.80S:0.06:45.63E:0.09, h10km, n39, az=16/37, mb4.0/11, MS3.2/3, Northwest of Madagascar

Main table of seismic stations with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists numerous stations like OPO Ambohitratompo, FIRM Firavahana, etc.

ASRS 21 09:41:43.0-1.4, 54.2:25N:87.07E, h0km, M2.9, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 21 09:41:43.0-3.2, 54.33N:87.30E, h0km, mbmp3.8/7, ML2.7/2, Error ellipse: s-maj=30.4km s-min=18.0km az=46.0, Southwestern Siberia

Table of seismic stations for ASRS and IDC events, including ZALV Zalesovo Beam, ASAR Alice Springs, WRA Warramunga Arr, etc.

JMA 21 09:42:49.1-0.1, 24.3N:0.5:121.7E:1.0, h41km, 1km, MW3.0/1, TAIWAN REGION

TAP 21 09:42:49.4, 24.39N:121.70E, h31km, ML3.8, B, ASIES 21 09:42:49.4, 24.39N:121.70E, h31km, ML3.8, MW3.4

Moment Tensor Solution. Moment tensor: Scale 10^21 Nm; M1: 1.15; M2: 0.35; M3: -1.41; M4: 0.79; M5: -0.27; M6: 0.02; Fault plane solution: M1: 55.14x10^21 NP1: 0.160, 90.000; 849.9000; 7.46.82000. NP2: 0.36, 43.000; 356.09000; 1.129.10000. Principal axes: T: P158.1980; Azm4.2370; N: P131.5630; Azm192.0510; P: P134.5000; Azm99.8980.

ISC 21 09:42:49.7-0.8, 24.38N:0.01:121.72E:0.02, h30km, 4km, n132, az=87/226, 12C-16D, Taiwan

Table of seismic stations for JMA, TAP, ASIES, and ISC events, including ENA Nanau, EHAH Aohua, EWUT Wuta, etc.

2019 JAN

Main table of seismic stations for 2019 JAN, including stations like ETL Fush Village, WWA Dongshan, TWC Suao, etc.

1222

Table of seismic stations for event 1222, including STYH Taoyuan, WTP Ta-pu, WONT Longtian, etc.

ASRS 21 09:42:55.0-2.1, 53.72N:91.03E, h0km, M3.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 21 09:43:01.8-2.9, 53.57N:90.80E, h0km, mbmp3.5/4, ML3.0/4, Error ellipse: s-maj=25.4km s-min=20.1km

NNC 21 09:43:09.7-1.8, 53.43N:90.35E, h19km, 9km, mb3.6, mpv3.4, Error ellipse: s-maj=10.9km s-min=9.5km az=85.0, Suspected Mining explosion.

ISC 21 09:43:04.4-3.5, 53.7N:0.1:90.3E:0.2, h0km, n11, az=149/16, 4C-7D, Southwestern Siberia

Table of seismic stations for ASRS, IDC, NNC, and ISC events, including ZAAO Zalesovo Array, ZAAO 30nm, 1.1s, ZALV Zalesovo Beam, etc.

21d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VRAC Vranov, JCJ Chichijima, KHC Kasperke Holy, HNR Honiara, etc.

RSNC 21 09:57:35.0±0.3 Nana 4°7'9W±1, h21km4km, M2.5, mb4.0, ML2.4, South of Panama

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GR1C Gorgona, Isla, BBAC Balboa, Cauca, MALC Bahia Malaga, etc.

IDC 21 10:08:39.8±4.5, 11°15'S-166°48'E, h0km, mb3.7/4, mbmt3.7/4, Error ellipse: s-maj=67.7km s-min=6.3km az=29.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

NNC 21 10:27:52.6±2.6, 52°29'N-75°86'E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=67.7km s-min=6.3km az=29.0

IDC 21 10:27:59.1±1.1, 51°73'N-75°91'E, h0km, mbmt2.7/3, ML1.8/3, Error ellipse: s-maj=31.9km s-min=7.9km

ISC 21 10:27:55.5±1.1, 51°7N-0°1.75'15E-0°09, h0km, n11, a060/9, 3C-5D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KURBB Kurchatov Arr, KURBB Kurchatov Arr, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KURK Kurchatov, BVAO Borovoye Array, BVAR Borovoye Array, etc.

PGC 21 10:37:49.4±4.6, 51°37'N-131°41'W, h10km, MLN3.1/15, Mw3.8/15, Mw3.8/15, 211km Sse of Sandspit, Be Halda Gwaii Region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BAIB Barry Inlet, BNB Barry Inlet, MOBC Moresby Island, etc.

IDC 21 10:45:54.9±2.0, 0°09'S-123°30'E, h113km, 17km, mb3.6/13, mbmt4.0/15, Error ellipse: s-maj=22.4km s-min=11.0km az=79.0

NEIC 21 10:45:55.7±1.5, 0°18'S-0°07'-123°36'E-0°07, h103km, 8km, mb4.3/24, Error ellipse: s-maj=10.5km s-min=9.7km az=48.0

DJA 21 10:45:56.7±0.2, 0°S-2°12'3E, h100km, 5km, M4.8/25, mb5.2/5, mb4.8/14, ML4.8/25, Mw(MB)4.6/3

ISC 21 10:45:54.5±0.5, 0°18'S-123°36'E-0°06, h100km, n66, a179/74, mb4.1/24, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMSI Cibinong, LUWI Luwuk, LUWI Luwuk, etc.

WRA Warramunga Arr 32.01 251 P P 10 15 08.1 ±0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WRAB Warramunga Arr, etc.

WRA Warramunga Arr 22.41 152 P P 10 50 44.7 ±0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WR0 Warramunga Arr, etc.

1224

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, FORT Forrest, NWAO Narrogin (SRO), etc.

VAO 21 11:14:00.1±2.1, 2°82'N-79°52'W, h10km, mb4.6, IDC 21 11:14:03.0±2.0, 7°27'N-79°12'W, h0km, mb3.8/14, mbmt3.8/16, ML3.0/2, MS3.5/3, Error ellipse: s-maj=28.0km s-min=14.2km az=64.0

NEIC 21 11:14:06.2±2.9, 2°66'N-0°06'-79°02'W-0°09, h10km, 1km, mb4.6/26, Error ellipse: s-maj=14.7km s-min=10.6km az=83.0

RSNC 21 11:14:06.4±0.0, 3°N-4°7'9W±1, h15km6km, M3.4, mb5.0, mb5.0, ML3.3, Mw(MB)4.4

ISC 21 11:14:04.2±1.8, 2°61'N-0°04'-79°16'E-0°05, h5km±11km, n83, c151/102, mb4.3/24, South of Panama

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GRIC Gorgona, Isla, BBAC Balboa, Cauca, MALC Bahia Malaga, etc.

WRA Warramunga Arr 32.01 251 P P 10 15 08.1 ±0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WRAB Warramunga Arr, etc.

WRA Warramunga Arr 22.41 152 P P 10 50 44.7 ±0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WR0 Warramunga Arr, etc.

WRA Warramunga Arr 22.52 151 P P 10 50 45.8 ±0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WR0 Warramunga Arr, etc.

WRA Warramunga Arr 22.52 151 P P 10 50 45.8 ±0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WR0 Warramunga Arr, etc.

WRA Warramunga Arr 22.52 151 P P 10 50 45.8 ±0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WR0 Warramunga Arr, etc.

WRA Warramunga Arr 22.52 151 P P 10 50 45.8 ±0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WBO Warramunga Arr, WR0 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Rows include stations like CMIG, LPAZ, G001, etc.

KRSC 21 11:24:46.0.2.2.55:24N.166:90E, h47km, m4.4, M4.4
IDC 21 11:24:46.7.1.0.55:63N.166:75E, h0km, mb3.6/11,
mbmp3.7/12, ML3.4/1, MS2.9/2, Error ellipse:
s-maj=27.5km s-min=18.3km az=168.0
MOS 21 11:24:49.3.1.0.55:32N.166:77E, h41km, mb4.0/1, Error
ellipse: s-maj=8.0km s-min=7.5km az=151.2
ISC 21 11:24:50.4.0.8.55:25N.0.06:166:87E.0.07, h35km, n78,
r156/88, mb3.7/11, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Rows include stations like BKI, KBTR, KRUB, etc.

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Rows include stations like PALN, GNL, GNL, etc.

IDC 21 11:30:29.2.0.5.28:75N.141:77E, h0km, mb4.2/25,
mbmp4.2/30, ML3.7/5, MS3.3/7, Error ellipse:
s-maj=18.3km s-min=11.1km az=72.0
BUI 21 11:30:31.5.28:88N.142:19E, h25km, mb4.9/10, mb4.4/26,
Ms4.1/3, Ms7.3/8
MOS 21 11:30:34.3.1.0.29:01N.141:71E, h33km, mb4.8/15, Error
ellipse: s-maj=14.5km s-min=6.3km az=112.2
NEIC 21 11:30:36.1.2.29:02N.0.06:141:9E.0.1, h29km, 5km,
mb4.7/49, Error ellipse: s-maj=15.0km s-min=8.1km
az=81.0
ISC 21 11:30:35.0.0.4.28:94N.104:41:90E.0.08, h30km, n145,
r137/146, mb4.5/67, MS3.3/6, 10C-1D, Bonin Islands
region

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Rows include stations like JCD, JCD, JCD, etc.

Table with columns: Code, Station Name, Az, Az*, Phase ID, Time, Res, ISC. Rows include stations like HEH, H1N2, H1N1, etc.

21d 11h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters for various stations.

Station information for IDC 21 11:57:17.0, 15:57N-94:73W, h22km, Mw5.8, Fault plane solution: NP1.221.00000, delta 2.00000, lambda -4.00000.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters for stations MJAR, WRA, ASAR, and PLCA.

Station information for IGP 21 11:57:17.0, 15:57N-94:73W, h22km, Mw5.8, Fault plane solution: NP1.221.00000, delta 2.00000, lambda -4.00000.

2019 JAN

MOS 21 11:57:19.9, 1.0, 15:66N-94:57W, h45km, mb5.6/34, MS5.5/15, Error ellipse: s-maj=9.8km s-min=5.4km az=106.6

Code Station Name Azimuth Elevation Frequency Bandwidth SNR and other technical parameters for stations in the Oaxaca coast region.

Large table listing station data for the Oaxaca coast region, including station names like Arriaga, Huatulco, Matias Romero, and others, with their respective technical parameters.

1226

Table listing station data for the 1226 region, including station names like Flores, Acapulco, Popocatepeti, and others, with their respective technical parameters.

CJM	Chamela	10.52 294	eP	Pn	11 59 49.3	+2.1
CJM			eS	Sn	12 01 41.3	-3.0
INDI	Punta indio, G	10.69 120	P	Pn	11 59 53.1	+3.4
ANIG	Ahuacatlan	10.73 303	eP	Pn	11 59 54.1	+3.7
ANIG	Ahuacatlan	10.73 303j	eS	Pn	11 59 54.1	+3.7
ANIG			eP	Pn	12 01 45.3	-4.4
ESPN	Las Esperanzas	10.76 106	eP	Pn	11 59 50.3	-0.3
NYURE	Nandayure	10.83 119	eP	Pn	11 59 54.8	+3.2
JTS	Las Juntas de	10.94 117	P	Pn	11 59 56.9	+3.7
JTS	Las Juntas de	10.94 117	P	Pn	11 59 53.3	+0.2
JTS		6.8m, 0.3s, baz=283, slow=14, SNR=6.6	S	S		
JTS		39m, 0.8s, baz=116, slow=13, SNR=1.1	S	S	12 01 53.1	-1.6
PUIVA	Puert Vallarta	11.11 299	eS	Sn	12 01 54.5	-4.3
PUIVA	Pocoosol	11.18 116	eS	Pn	11 59 58.9	+2.4
HDC	Heredia	11.80 116	eP	Pn	12 00 04.0	-1.0
LCR2	La Lucha 2	12.02 117	eP	Pn	12 00 08.6	+0.5
VICA	Volcano Izatla	12.04 116	eP	Pn	12 00 10.7	+2.1
HVBL	Hebronnville	12.08 344	Pn	Pn	12 00 10.8	+2.1
VTLA	Turrialba Volc	12.09 115	eP	Pn	12 00 11.7	+2.4
CTCO	Turrialba Volc	12.10 115	eP	Pn	12 00 11.4	+2.1
VTCV	VTCV, Calle Va	12.14 115	eP	Pn	12 00 13.8	+4.0
KVXT	Kingsville	12.35 347	eP	Pn	12 00 12.2	-0.2
KVXT			eS	Sn	12 02 21.1	-8.1
DRKO	Durika	12.90 117	eP	Pn	12 00 23.1	+2.9
PIRO	Caratini Puerto	13.35 307	eP	Pn	12 00 29.7	+3.7
MAIG	Mazatlan	13.35 307	eP	Pn	12 00 29.7	+3.7
MAIG	Mazatlan	13.35 307j	eP	Pn	12 00 29.7	+3.7
MAIG			eS	Sn	12 02 50.0	-1.2
SOR	Soroa	13.36 55	Pn	Pn	12 00 24.9	-1.2
SOR	Soroa	13.36 55	P	Pn	12 00 25.0	-1.2
833A	Chaparral WMA	13.47 343	P	Pn	12 00 28.7	+1.0
833A	Chaparral WMA	13.47 343	P	Pn	12 00 28.9	+1.2
833A		baz=160, SNR=151	S	S		
833A			S	S	12 02 57.5	+0.9
BRU2	Volcan	13.61 118	eP	Pn	12 00 31.3	+1.4
MCIG	Muzquiz	13.80 335	eP	Pn	12 00 31.6	-0.6
MCIG	Muzquiz	13.80 335	eP	Pn	12 00 31.6	-0.6
MCIG			eS	Sn	12 03 11.8	+7.1
HCKT	Hockley	14.45 357	Pn	Pn	12 00 41.4	+0.5
HCKT	Hockley	14.45 357	P	Pn	12 01 11.4	+0.5
HND0	Hondo	14.58 345	eP	Pn	12 00 43.3	+0.4
SSIG	Sanalona	14.81 311	eP	Pn	12 00 45.0	-1.0
SSIG			eS	Sn	12 03 30.1	+0.8
SSIG	Sanalona	14.81 311	eP	Pn	12 00 45.0	-1.0
SSIG			eS	Sn	12 03 30.1	+0.8
DRIO	Del Rio	14.88 340	eP	Pn	12 00 46.4	+0.8
HPIG	HPIG	15.22 320	eP	Pn	12 00 53.4	+1.8
HPIG			eS	Sn	12 00 53.5	+1.8
HPIG			eS	Sn	12 03 40.8	+1.3
HNVL	Huntsville, TX	15.24 358	Pn	IAMB	12 00 51.4	-0.2
HNVL		comp=Z, 207nm, 1.2s	IAMB	IAMB	12 00 58.0	
435B	Jarrell	15.46 351	P	Pn	12 00 56.0	+1.5
435B		baz=170	S	S		
435B		baz=170	S	S	12 03 33.6	-1.1
BCIG	La Boquilla	14.51 323	P	Pn	12 00 57.1	+1.7
BCIG			eS	Sn	12 03 46.6	+0.1
BCIG	La Boquilla	14.51 323	eP	Pn	12 00 57.1	+1.7
BCIG			eS	Sn	12 03 46.6	+0.1
JCT	Junction City	15.62 344	eP	Pn	12 00 57.2	+0.5
JCT	Junction City	15.62 344	eS	Pn	12 03 42.2	-6.9
JCT	Junction City	15.62 344	P	Pn	12 00 57.1	+1.0
JCT			pmx	pmx		
SAND	Sanderson	15.90 336	Pn	Pn	12 01 00.9	+0.6
TXAR	Lajitas Arroyo	16.02 331	P	Pn	12 01 03.4	+1.5
TXAR		comp=Z, 0.6m, 18.4s, baz=155, slow=12, SNR=100	LR	LR		
TXAR		comp=Z, 4.8m, 0.9s, baz=152, slow=38	LR	LR	12 07 23.0	
BRDY	Brady	16.20 347	Pn	Pn	12 01 04.6	+0.5
NATX	Nacogdoches	16.23 31	P	IAMB	12 01 04.8	+0.4
NATX			IAMB	IAMB	12 01 06.8	
SLBS	Sierra La Lagu	16.39 302	P	Pn	12 01 09.4	+0.1
SLBS	Sierra La Lagu	16.39 302	eP	Pn	12 01 09.8	+0.6
SLBS			eS	Sn	12 04 09.2	+1.4
OZNA	Ozona	16.43 341	P	IAMB	12 01 07.5	+0.5
OZNA			IAMB	IAMB	12 01 13.6	
MCJ	Malvern	16.63 79	iP	P	12 01 11.5	-0.4
TSIG	Topolobambo	16.66 310	P	Pn	12 01 11.8	-0.3
TSIG			eS	Sn	12 04 15.1	+0.8
TSIG	Topolobambo	16.66 310	eS	Pn	12 01 11.4	-0.3
MTDJ	Mount Denham	16.81 78	P	Pn	12 01 14.2	+0.3
MTDJ	Mount Denham	16.81 78	eP	Pn	12 01 11.1	-0.9
LPIG	La Paz	16.88 303	P	Pn	12 01 16.3	+1.8
LPIG			eS	Sn	12 04 19.6	0.0
LPIG	La Paz	16.88 303	P	Pn	12 01 15.5	+0.9
LPIG		comp=Z, 3.8nm, 0.3s, baz=163, slow=4.3, SNR=14	LR	LR	12 07 18.6	
LPIG		comp=Z, 17.1m, 18.1s, baz=128, slow=35	LR	LR		
LPIG	La Paz	16.88 303	eP	P	12 01 16.3	+1.8
LPIG			eS	Sn	12 04 19.6	0.0
ALPN	Alpine	16.89 333	P	IAMB	12 01 14.5	-0.4
ALPN			IAMB	IAMB	12 01 22.6	
CSIG	Choix	16.92 314	P	Pn	12 01 14.0	+0.8
CSIG	Choix	16.92 314	eP	Pn	12 01 14.0	+0.8
CSIG			eS	Sn	12 04 12.8	-7.7
FW13	Cleburne	16.98 353	IAMB	IAMB	12 01 23.1	
FW16	Waxahatchie	17.05 354	P	Pn	12 01 15.2	+0.4
FW16			IAMB	IAMB	12 01 22.4	
BRAL	Brewton	17.19 23	IAMB	IAMB	12 01 23.8	
TREL	Terrell	17.23 356	IAMB	IAMB	12 01 25.2	
SGCY	Sterling City	17.35 342	IAMB	IAMB	12 01 26.4	
FW07	Weatherford	17.37 352	IAMB	IAMB	12 01 25.7	
MNHN	Monahans	17.38 337	IAMB	IAMB	12 01 28.2	
STH	Stony Hill	17.48 79	eP	Pn	12 01 17.8	-2.5
STH			eS	S	12 04 41.6	-0.2
STH	Stony Hill	17.48 79	iP	Pn	12 01 22.7	+1.4
LMGC	Las Mercedes	17.61 72	eP	Pn	12 01 19.2	-2.5
FW06	Azle	17.61 352	IAMB	IAMB	12 01 30.8	
DWPF	Disney Wildern	17.70 42	P	Pn	12 01 22.2	-0.6
DWPF			IAMB	IAMB	12 01 27.2	
Z41A	Richland Creek	17.82 6	IAMB	IAMB	12 01 32.8	
ODSA	Odesa	18.00 338	IAMB	IAMB	12 01 37.3	
CHIV	Chivirico	18.13 73	IAMB	IAMB	12 01 37.8	
CHIV	Chivirico	18.13 73	eP	Pn	12 01 26.8	-1.4
CHIV			eP	Pn	12 01 26.9	-1.4
APMT	Aspermont	18.41 346	IAMB	IAMB	12 01 42.5	
MARCS	Santiago de Cu	18.61 73	eP	P	12 01 30.9	-2.9
HLCG	Holguin	18.65 70	eP	P	12 01 30.6	-3.7
RCC	Rio Carpintero	18.80 73	eP	P	12 01 32.7	-3.1
MNTX	Cornudas Mount	18.80 331	eP	P	12 01 33.3	-2.5
MNTX			eS	Sn	12 04 58.6	-7.5
PINC	Pinares de May	18.81 72	eP	Pn	12 01 33.8	-2.0
DKNS	Dickens	18.94 344	IAMB	IAMB	12 01 49.5	
MIAR	Mount Ida	19.04 3	P	P	12 01 37.5	-0.8
MIAR			IAMB	IAMB	12 01 50.9	
MIAR		comp=Z, 255nm, 1.1s	P	P	12 01 37.5	-0.8
MIAR		comp=Z, 255nm, 1.1s	pmx	pmx		
CGIG			P	P	12 01 41.5	+1.3
CGIG			S	S	12 05 16.7	+2.2
CGIG			S	S	12 01 41.5	+1.3
GTBY	Guantanamo Bay	19.33 74	IAMB	IAMB	12 05 16.7	+2.2
GTBY	Guantanamo Bay	19.33 74	eP	P	12 01 47.6	

GTBY		comp=Z, 9.1m, 17.6s	IAMBs	IAMBs	20 08 51.0	
GTBY		comp=Z, 7.1m, 12.5s	IAMBs	IAMBs	20 08 51.0	
GUYB	Guantanamo Bay	19.33 74	iP	P	12 01 40.1	-1.5
GUYB	Guaymas	19.33 312	eP	Pn	12 01 42.4	-0.3
GUYB			eS	Sn	12 05 19.0	+0.2
UALR	University of	19.37 6	P	P	12 01 40.5	-1.3
NMDO	Nuevo Mundo	19.57 72	IAMB	IAMB	12 01 54.9	
NMDO			eP	P	12 01 41.7	-2.5
MOAC	Moctezuma	19.61 72	eP	P	12 01 42.0	-2.6
QMBU	Quimbeulo	19.65 731	eP	P	12 01 42.6	-2.5
SRIG	Santa Rosalia	20.00 309	eP	Pn	12 01 50.2	-0.5
SRIG	Santa Rosalia	20.00 309	eP	Pn	12 01 49.0	+0.1
SRIG			eS	Sn	12 01 34.8	-0.5
NZIG	Nacozari, Sono	20.05 320	eP	Pn	12 01 52.1	+0.5
NZIG	Nacozari, Sono	20.05 320	eP	Pn	12 01 52.1	+0.5
NZIG			eS	S	12 05 26.2	-7.7
HSIG		20.07 315	P	Pn	12 01 51.6	+0.1
HSIG			IAMB	IAMB	12 02 06.1	
HSIG		comp=Z, 293nm, 1.3s	Pn	Pn	12 01 51.7	+0.2
HSIG			eS	S	12 05 24.1	-1.0
SMWD	Samnorwood	20.15 347	IAMB	IAMB	12 02 05.5	
MASC	Masc	20.18 74	eP	P	12 01 47.4	-3.6
AMTX	Amarillo	20.29 344	IAMB	IAMB	12 02 07.0	
HBAR	Harrisburg	20.36 10	IAMB	IAMB	12 02 08.0	
OK029	Liberty Lake	20.39 354	IAMB	IAMB	12 02 03.4	
OK031	S. Brethren Rd	20.49 355	P	P	12 01 54.2	+0.1
121A	Cookes Peak, D	20.66 328	IAMB	IAMB	12 02 03.0	
121A	Cookes Peak, D	20.66 328j	eP	Pn	12 01 59.0	+0.3
121A			eS	S	12 05 47.1	+1.2
121A			S	S	12 01 58.4	-0.2
121A		baz=142	S	S	12 05 53.7	+2.6
LCAR	Lake Charles	20.79 8	P	P	12 01 56.3	-1.0
HALT	Halls	20.96 13	P	IAMB	12 01 59.2	+0.1
HALT			IAMB	IAMB	12 02 06.8	
BLOK	Blackwell	21.32 355	P	P	12 02 02.8	-0.2
UTMT	University of	21.47 13	IAMB	IAMB	12 02 19.4	
Y22D	IRIS PASCAL I	21.49 332	P	P	12 02 07.6	+2.5
Y22D		baz=146	S	S	12 06 11.5	+0.5
WVT	Waverly	21.52 16	P	P	12 02 03.5	-1.7
WVT	Waverly	21.52 16	P	P	12 02 03.5	-1.7
WVT		comp=Z, 7.5nm, 1.0s	pmx	pmx		
WVT			MLR	MLR		
WVT		comp=Z, 2.2m, 22.0s	MLR	MLR		
KAN1A	Manchester OK	21.59 353	IAMB	IAMB	12 02 25.8	
PBMO	Poplar Bluff	21.60 10	IAMB	IAMB	12 02 22.0	
PARMO	Parma	21.60 11	IAMB	IAMB	12 02 15.9	
PARMO		comp=Z, 2.47nm, 0.9s	IAMB	IAMB	12 02 20.0	
MGMO	Mountain Grove	21.73 6	IAMB	IAMB	12 02 20.0	
PAPH	Port-au-Prince	21.79 79	P	IAMB	12 02 06.2	-2.1
PAPH			IAMB	IAMB	12 02 16.4	
BAHB	Baha de los	21.86 311	eP	P	12 02 11.5	+2.5
BAHB			eS	S	12 06 06.2	-3.2
LAPR	La Primavera	21.92 316j	eP	P	12 02 10.0	+0.4
LAPR			eS	S	12 06 14.2	+3.7
ANMO	Albuquerque	22.02 334	P	P	12 02 11.5	+0.6
ANMO			IAMB	IAMB	12 02 31.1	
ANMO	Albuquerque	22.02 334	P	P	12 02 11.7	+0.8
ANMO		comp=Z, 2.6m, 0.8s, baz=317, slow=12, SNR=37	P	P		
ANMO		comp=Z, 2.6m, 0.8s	P	P		
ANMO	Albuquerque	22.02 334j	eP	P	12 02 12.3	+1.4
ANMO			eS	S	12 06 09.0	-3.6
ANMO	Albuquerque	22.02 334	eP	P	12 02 12.1	

R33M	comp=Z,4um,19.0s Jennings River baz=133	51.23 337	P	P	12 06 21.4 +1.9
S32K	Killisnoo comp=Z,3um,18.0s	51.41 334	IAMS_20	IAMS_20	12 28 37.8
S32K	Killisnoo baz=128	51.41 334	P	P	12 06 22.7 +2.0
AGUA	GUANDACOL	51.42 150	iP	P	12 06 22.7 +1.4
Q32M	Nakina River comp=Z,3um,18.1s,baz=208,slow=4.0	51.43 336	IAMB	IAMB	12 06 36.8
Q32M	Nakina River baz=131	51.43 336	P	P	12 06 23.4 +2.4
SIT	Sitka comp=Z,3um,21.0s	51.49 333	IAMS_20	IAMS_20	12 27 29.8
SIT	Sitka baz=127	51.49 333	P	P	12 06 23.1 +1.9
AROD	Rodeo	51.54 152	iP	P	12 06 24.5 +2.1
FRB	Frisher Bay comp=Z,3um,18.1s,baz=208,slow=4.0	51.56 115	LR	LR	12 31 46.6
ACDV	Cuesta del Vie WRGLY	51.70 151	iP	P	12 06 25.2 +1.8
WRGLY	Wrigley baz=144,SNR=35	51.72 133	eP	P	12 06 22.8 -0.7
BDQM	Bodouquena, MS	51.89 335	IAMS_20	IAMS_20	12 29 00.3
R32K	Eaglecrest comp=Z,3um,19.0s	51.89 335	P	P	12 06 26.2 +2.0
R32K	Eaglecrest baz=128	51.89 335	P	P	12 06 26.2 +2.0
CYA	Choyo	51.92 147	iP	P	12 06 25.6 +0.7
ACCO	Cerro Coronel	52.08 152	iP	P	12 06 27.2 +0.9
P32M	Atin	52.41 336	P	P	12 06 29.6 +1.4
S31K	Pelican comp=Z,3um,20.0s	52.42 334	IAMS_20	IAMS_20	12 28 10.5
S31K	Pelican baz=126	52.42 334	P	P	12 06 30.0 +1.9
P33M	Teslin, Yukon comp=Z,54nm,1.4s	52.47 337	IAMB	IAMB	12 06 50.3
P33M	Teslin, Yukon comp=Z,3um,18.0s	52.47 337	P	P	12 31 39.5
P33M	Teslin, Yukon baz=131,SNR=15	52.47 337	P	P	12 06 30.8 +2.1
AODB	Aquidau	52.49 132	eP	P	12 06 28.3 -0.9
SMTB	Santa Maria do	52.70 114	eP	P	12 06 30.7 -0.2
AVFE	Valle Fertil	52.90 150	iP	P	12 06 32.6 +0.5
SKAG	Skagway comp=Z,114nm,2.0s	52.96 335	IAMB	IAMB	12 06 47.3
SKAG	Skagway comp=Z,3um,19.0s	52.96 335	P	P	12 31 14.5
SKAG	Skagway baz=128	52.96 335	P	P	12 06 34.1 +2.0
RTL5	Leocito	53.00 153	iP	P	12 06 34.6 +1.4
APLL	PUNTA DE LOS L	53.13 149	iP	P	12 06 34.5 +0.6
APLL	PUNTA DE LOS L	53.13 149	e	P	12 15 22.9
N32M	Quiet Lake comp=Z,7.6nm,0.9s	53.20 338	IAMB	IAMB	12 06 40.7
N32M	Quiet Lake baz=132	53.20 338	P	P	12 06 35.6 +1.6
VA03	San Esteban comp=Z,137nm,1.6s	53.29 154	IAMB	IAMB	12 06 50.7
AUSP	Uspallata	53.32 153	iP	P	12 06 36.6 +1.1
PLBC	Pleasant Camp baz=127	53.38 335	iP	P	12 06 37.3 +2.1
MT02	Curacav comp=Z,9.7nm,1.6s	53.48 155	IAMB	IAMB	12 06 51.4
WHY	Whitehorse comp=Z,3um,20.0s	53.54 337	IAMB	IAMB	12 07 21.1
WHY	Whitehorse baz=129,SNR=10	53.54 337	P	P	12 06 37.9 +1.3
C2SB	Chapadao do Su	53.56 128	eP	P	12 06 38.3 +1.2
PEL	Peidheue comp=Z,86nm,1.4s	53.56 155	IAMB	IAMB	12 07 10.6
PEL	Peidheue comp=Z,2um,18.0s	53.56 155	IAMS_20	IAMS_20	12 25 26.2
ACHE	Chepes	53.69 150	iP	P	12 06 38.7 +0.7
ASAL	Salagastia	53.88 157	iP	P	12 06 40.9 +1.6
MPD	Ribas do Rio P	53.95 130	eP	P	12 06 39.9 +0.3
RT09	Talageta	53.99 155	IAMB	IAMB	12 06 46.4
FARO	Faro, Yukon comp=Z,109nm,1.6s	54.02 339	IAMB	IAMB	12 07 04.4
FARO	Faro, Yukon comp=Z,39nm,1.1s	54.02 339	IAMS_20	IAMS_20	12 30 53.1
FARO	Faro, Yukon comp=Z,4um,19.0s	54.02 339	P	P	12 06 41.2 +1.3
FARO	Faro, Yukon baz=132,SNR=28	54.02 339	P	P	12 06 42.0 +2.0
P30M	Million Dollar baz=127	54.04 335	IAMB	IAMB	12 07 06.2
P29M	Windy Craggy comp=Z,100nm,1.4s	54.04 335	IAMS_20	IAMS_20	12 33 23.1
P29M	Windy Craggy comp=Z,3um,19.0s	54.04 335	P	P	12 06 42.5 +2.3
P29M	Windy Craggy baz=126	54.04 335	P	P	12 07 02.2
O30N	Mendenhall comp=Z,5.9nm,1.4s	54.08 336	IAMB	IAMB	12 07 02.2
O30N	Mendenhall baz=128,SNR=15	54.08 336	P	P	12 06 41.9 +1.5
MT08	Bocatomia Ro comp=Z,58nm,0.9s	54.10 154	IAMB	IAMB	12 07 07.5
MT13	San Alfonso comp=Z,52nm,0.9s	54.25 155	IAMB	IAMB	12 07 03.4
AAGR	Agrelo	54.30 153	iP	P	12 06 43.9 +1.4
BO04	La Punta comp=Z,86nm,1.4s	54.33 155	IAMB	IAMB	12 06 58.1
M31M	Druy Creek, Y baz=131,SNR=12	54.36 338	P	P	12 06 43.9 +1.4
LMEL	Las Melosas comp=Z,7.9nm,0.8s	54.37 155	IAMB	IAMB	12 07 08.8
N31M	Braeburn, Yko comp=Z,67nm,1.1s	54.41 337	IAMB	IAMB	12 07 04.4
N31M	Braeburn, Yko baz=129,SNR=20	54.41 337	P	P	12 06 44.3 +1.6
BO01	Tunca comp=Z,78nm,1.4s	54.49 156	IAMB	IAMB	12 06 58.6
AMTA	Amambai (Brazi HYT)	54.57 134	eP	P	12 06 44.3 -0.1
HYT	Haines Junctio comp=Z,4um,20.0s	54.66 336	IAMS_20	IAMS_20	12 30 44.3
HYT	Haines Junctio baz=127,SNR=7.2	54.66 336	P	P	12 06 46.6 +1.9
GO05	Hualane	54.71 157	IAMB	IAMB	12 07 17.5
O29M	Mount Kennedy comp=Z,3um,20.0s	54.78 335	IAMS_20	IAMS_20	12 33 47.5
O29M	Mount Kennedy baz=125	54.78 335	P	P	12 06 49.5 +1.3
BO02	Sierra Bellavi comp=Z,30nm,0.9s	54.96 156	IAMB	IAMB	12 07 29.5
YUK6	Outpost Mounta baz=126	55.07 336	P	P	12 06 49.5 +1.7
CPUP	Villa Florida comp=Z,17nm,1.1s,baz=334,slow=8.0,SNR=13	55.29 138	P	P	12 06 48.8 -0.8
CPUP	Villa Florida comp=Z,2um,20.3s,baz=330,slow=36	55.29 138	LR	LR	12 30 47.6
CPUP	Villa Florida comp=Z,17nm,1.1s	55.29 138	P	P	12 06 48.6 -1.0
CPUP	Villa Florida comp=Z,3um,20.0s	55.29 138	PcP	PcP	12 07 48.9 -1.3
PINM	Pinnacle baz=123	55.35 334	P	P	12 06 51.5 +1.8
YUK4	Talbot Arm baz=126	55.41 336	P	P	12 06 52.4 +2.1
M30M	Minto, Yukon comp=Z,65nm,1.4s	55.46 338	IAMB	IAMB	12 07 11.1
M30M	Minto, Yukon comp=Z,3um,20.0s	55.46 338	IAMS_20	IAMS_20	12 32 55.5
M30M	Minto, Yukon baz=128,SNR=13	55.46 338	P	P	12 06 51.7 +1.3
BDFB	Brasilia comp=Z,42nm,0.9s	55.63 122	IAMB	IAMB	12 07 00.2
BDFB	Brasilia comp=Z,14nm,0.6s,baz=282,slow=7.4,SNR=13	55.63 122	LR	LR	12 06 51.8 -0.6
BDFB	Brasilia comp=Z,2um,21.0s,baz=356,slow=37	55.63 122	LR	LR	12 31 23.4
O28M	Mount Upton baz=124	55.70 335	P	P	12 06 54.3 +1.9
MAYO	Mayo, Yukon baz=130,SNR=5.4	55.80 339	P	P	12 06 54.1 +1.3
YUK8	Steele Glacier baz=124,SNR=6.8	55.82 336	P	P	12 06 54.7 +1.5
M29M	Somme Creek baz=126	56.00 337	IAMB	IAMB	12 07 19.3
M29M	Somme Creek comp=Z,74nm,1.1s	56.00 337	P	P	12 06 55.7 +1.4
ITRB	Iturama	56.00 127	eP	P	12 06 53.7 -1.1
MESA	MESA comp=Z,4um,20.0s	56.11 334	IAMS_20	IAMS_20	12 29 13.4
MESA	MESA baz=122	56.11 334	P	P	12 06 56.6 +1.3

L29M	L29M comp=Z,3um,18.0s	56.28 338	IAMS_20	IAMS_20	12 33 59.9
L29M	L29M baz=127	56.28 338	P	P	12 06 57.7 +1.5
YUK3	Moosa Creek baz=124	56.37 336	P	P	12 06 58.7 +1.5
BI02	San Fabin de comp=Z,36nm,1.1s	56.42 157	IAMB	IAMB	12 07 03.0
SNH	Sunshine Point comp=Z,4um,20.0s	56.49 334	IAMS_20	IAMS_20	12 33 14.1
K29M	Barlow Dome comp=Z,128nm,1.7s	56.51 339	IAMB	IAMB	12 07 19.9
K29M	Barlow Dome comp=Z,4um,18.0s	56.51 339	IAMS_20	IAMS_20	12 34 57.1
K29M	Barlow Dome baz=128	56.51 339	P	P	12 06 59.1 +1.1
J30M	Hart River comp=Z,4um,20.0s	56.58 340	P	P	12 06 59.5 +1.0
SDBA	SAO DESIDERIO	56.66 116	eP	P	12 06 59.3 -0.5
IPMB	Ipameri, GO	56.72 124	eP	P	12 06 59.2 -0.9
H31M	Prigel, Peru comp=Z,4um,20.0s	56.77 342	IAMS_20	IAMS_20	12 33 26.4
H31M	Prigel, Peru baz=133	56.77 342	P	P	12 07 00.4 +0.7
NUUK	Nuuk	56.88 21	iP	P	12 07 01.8 +1.4
NUUK	Nuuk comp=Z,63nm,1.1s	56.88 21	IAMB	IAMB	12 07 10.9
BVCY	Beaver Creek baz=124,SNR=3.5	56.89 336	P	P	12 07 01.6 +1.1
C36M	Paulatuk comp=Z,3um,22.0s	56.89 348	IAMS_20	IAMS_20	12 34 25.3
C36M	Paulatuk baz=146	56.89 348	P	P	12 07 00.2 -0.1
B6RG	Berg Lake comp=Z,4um,18.0s	56.97 334	IAMS_20	IAMS_20	12 33 54.1
I30M	Mount Dempster baz=130	57.01 341	P	P	12 07 02.1 +0.6
KAIM	Kayak Island baz=119	57.05 333	P	P	12 07 02.2 +0.4
J29N	Klondike Camp comp=Z,4um,19.0s	57.13 339	IAMS_20	IAMS_20	12 34 54.5
J29N	Klondike Camp baz=128	57.13 339	P	P	12 07 03.3 +1.0
HMT	Hamilton comp=Z,3um,20.0s	57.19 333	IAMS_20	IAMS_20	12 29 32.8
M27K	Edge Creek, AK comp=Z,39nm,1.2s	57.25 336	IAMB	IAMB	12 07 17.3
M27K	Edge Creek, AK comp=Z,3um,20.0s	57.25 336	IAMS_20	IAMS_20	12 31 15.0
M27K	Edge Creek, AK baz=146	57.25 336	P	P	12 07 04.6 +1.3
VRDI	Verde Repeater comp=Z,53nm,1.2s	57.29 334	IAMB	IAMB	12 07 25.5
VRDI	Verde Repeater comp=Z,3um,21.0s	57.29 334	IAMS_20	IAMS_20	12 29 53.1
DAWY	Dawson comp=Z,4um,18.0s	57.30 339	IAMS_20	IAMS_20	12 33 54.1
DAWY	Dawson baz=126	57.30 339	P	P	12 07 03.4 -0.1
RAGM	Ragged Mountai comp=Z,3um,19.0s	57.39 333	IAMS_20	IAMS_20	12 29 37.9
G31M	Satah River baz=133,SNR=3.4	57.51 343	P	P	12 07 05.2 +0.3
GLB	Gilshina Butte comp=Z,57nm,1.0s	57.55 335	IAMB	IAMB	12 07 27.7
GLB	Gilshina Butte comp=Z,3um,22.0s	57.55 335	IAMS_20	IAMS_20	12 30 11.9
BCAR	Beaver Creek A NARSUARQ	57.61 337	P	P	12 07 06.8 +1.1
NRS	Beaver Creek, AK comp=Z,25nm,0.8s	57.61 26	eP	P	12 07 04.4 -1.4
L27K	Beaver Creek, comp=Z,59nm,1.2s	57.62 337	IAMB	IAMB	12 07 27.2
L27K	Beaver Creek, comp=Z,4um,20.0s	57.62 337	IAMS_20	IAMS_20	12 34 35.5
L27K	Beaver Creek, baz=123,SNR=12	57.62 337	P	P	12 07 06.6 +0.8
LDASE	Londra, Braz	57.62 131	eP	P	12 07 05.3 -1.1
MLH	Mauna Loa	57.63 283	P	P	12 07 06.6 -0.2
BMRM	Bremner River baz=119	57.64 334	P	P	12 07 05.6 -0.3
Q23K	Middleton Isla baz=119	57.69 332	P	P	12 07 05.3 -0.8
M26K	Nabesna, AK comp=Z,49nm,1.2s	57.72 336	IAMB	IAMB	12 07 34.9
M26K	Nabesna, AK comp=Z,3um,20.0s	57.72 336	IAMS_20	IAMS_20	12 31 06.8
M26K	Nabesna, AK baz=122	57.72 336	P	P	12 07 06.6 +0.3
F31M	Tsightehoch comp=Z,41nm,0.9s	57.72 343	IAMB	IAMB	12 07 26.9
F31M	Tsightehoch baz=134,SNR=24	57.72 343	P	P	12 07 06.5 +0.2
I29M	Ogilvie Camp, comp=Z,4um,20.0s	57.73 340	IAMS_20	IAMS_20	12 35 19.1
I29M	Ogilvie Camp, baz=128,SNR=14	57.73 340	P	P	12 07 06.5 +0.1
PTGB	Pitanga	57.77 133	eP	P	12 07 06.0 -1.3
HPAH	Hawaii Prepara	57.86 284	P	P	12 07 09.1 +0.9
EPYK	Eagle Plains comp=Z,40nm,1.1s	57.87 341	IAMB	IAMB	12

21d 11h

Table with columns for station code, name, elevation, frequency, and coordinates. Includes stations like ILAR Eielson Array, CAPN Captain Cook N, SPB Sao Paulo, G26K Porcupine River, etc.

2019 JAN

Table with columns for station code, name, elevation, frequency, and coordinates. Includes stations like P18K Big Mountain, CAST Castle Rocks, C27K Jago River, etc.

1230

Table with columns for station code, name, elevation, frequency, and coordinates. Includes stations like D24K Happy Valley, O16K Kokwok River B, O16K Kokwok River B, etc.

1231

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like SUMG Summit, D20K Etivluk River, H17K Granite Mounta, etc.

2019 JAN

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like BBTB Babate, IDGL Inch Island, IWEX Carrickbyrne, etc.

21d 11h

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like NB2 NORSAR Subarra, NB2 NORSAR Subarra, NOA NORSAR Array B, etc.

21d 11h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOTA Moosalm, SQT Sankt Quirin, HSKC Hora Svate Kat, etc.

2019 JAN

Table with columns for station name, frequency, power, and other technical details. Includes stations like Yakutsk, YAK, YAK, etc.

1232

Table with columns for station name, frequency, power, and other technical details. Includes stations like HHC, BTO, BTO, etc.

21d 13h

Table with columns: ID, Name, Location, Time, Res, etc. Includes stations like Bocatoima Ro, CENHA, RCHEN, etc.

ADC 21 13:07:45.78.2.141S:100.87E, h0km, mb3.2/3, mbmp3.2/3, Error ellipse: s-maj=441.5km s-min=26.9km az=53.0

DJA 21 13:07:56.0.6.1.53:3.101E.1, h36km, m11km, M3.8/8, MLV3.8/8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like PDSI, PPI, PPII, etc.

ADC 21 13:13:42.8.1.0.54:45Sx131.39W, h0km, mb4.2/6, mbmp4.2/6, M54.0/4, Error ellipse: s-maj=44.4km s-min=26.7km az=165.0

ISC 21 13:13:44.4.1.1.54:53S:131.14W.0.2, h10km, n27, o=42.8Z, mb4.2/6, M3.9/4, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like QSPA, QSPA, URZ, etc.

21S JAN

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like H11S3, H11S1, H11N3, etc.

1234

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like GBS, BRDA, ATGJ, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Vikkela, Lumij, KAF, FIAO, FIAO, NIF, ERTU, RNF.

TRN 21 14:42:47.4, 15:84N, 61.52W, h17km, MD4.3, North-west of Dominica. Fall in Dominica, MM IV, V.

IDC 21 14:42:47.4, 1.2, 15:86N, 61.83W, h0km, mb3.7/5, mbmp4.0/9, ML3.7/4, MS3.0/3, Error ellipse: s-maj=27.1km s-min=24.5km az=93.0

NEIC 21 14:42:48.2, 1.0, 15:76N, 0.02:61.65W, 0.07, h11km, 5km, mb4.5/3, Error ellipse: s-maj=9.4km s-min=2.9km az=80.0

ISC 21 14:42:48.2, 0.9, 15:81N, 0.03:61.71W, 0.04, h13km, 6km, n69, c1307/5, mb4.0/8, 3D, Leeward Islands

Main station list table for the first section, including stations like Guadaloupe-3, Terre de Bas, Capester, Barre de l'ile, Morne Mazaueu, Salisbury, Morne-Daniel, La Joyeuse, An Dsir, Guadeloupe/Mar, Fort de France, Bethesda, Anti, Ilet Lapin Mar, Ilet Lapin Mar, Bigot, Bigot, Morne Pois Mar, St. Kitts, UWI, Saint Kitts, Willy Bob, Willy Bob, Saint Vincent, Saint Lucia, B, Petit Monier, Saint Lucia, A, St. Eustatius, Saba, Belmont, St. Maarten, Saint Vincent, Richmond Hill, Grenada, Carri, Gun Hill, Sisters, Grenville, Col San Antoni, Speyside, Patillas Dam, Interluis Versit, San Juan, San Juan, San Juan, Trinidad (W), Cerrillos, Obispado Ponce, Arecibo Observ, Arecibo Observ, Mayaguez Islan, Puerto La Cruz, b46, slow=16, comp=2.81nm, 19.2s, slow=42, 8.7m, 0.4s, EI Baul, Santo Domingo, Santo Domingo, Boa Vista, MDP, ROSC, TKL, ULM, PDAR, FCC, FCC, H10N3, H10N2, H10N1, H10S3, H10S2, YKA, TORO, INK, INK, G31M, G31M, BCAR, ILAR, ASAR.

TRN 21 14:42:47.4, 15:84N, 61.52W, h17km, MD4.3, North-west of Dominica. Fall in Dominica, MM IV, V.

IDC 21 14:42:47.4, 1.2, 15:86N, 61.83W, h0km, mb3.7/5, mbmp4.0/9, ML3.7/4, MS3.0/3, Error ellipse: s-maj=27.1km s-min=24.5km az=93.0

NEIC 21 14:42:48.2, 1.0, 15:76N, 0.02:61.65W, 0.07, h11km, 5km, mb4.5/3, Error ellipse: s-maj=9.4km s-min=2.9km az=80.0

ISC 21 14:42:48.2, 0.9, 15:81N, 0.03:61.71W, 0.04, h13km, 6km, n69, c1307/5, mb4.0/8, 3D, Leeward Islands

Main station list table for the second section, including stations like AFI, MSVF, MSVF, RAR, RAR, DZM, DZM, URZ, RTZ, RTZ, BKZ, BKZ, BKZ, TOO, TOO, COEN, COEN, STKA, STKA, BBOO, BBOO, WBO, WBO, WBO, WBO, WRA, WRA, ASAR, ASAR, ASAR, MTN, PORT, KNR, FITZ, MJAR, GSPA, GSPA, GSPA, JML, PETK, H03S2, H03S1, H03S3, H03N2, H03N3, H03N1, ILAR, CMAR, BRTR, GERES, MMAI, SOME 21, KRNET 21, NNC 21, ISC 21, Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AFI, MSVF, MSVF, RAR, RAR, DZM, DZM, URZ, RTZ, RTZ, BKZ, BKZ, BKZ, TOO, TOO, COEN, COEN, STKA, STKA, BBOO, BBOO, WBO, WBO, WBO, WBO, WRA, WRA, ASAR, ASAR, ASAR, MTN, PORT, KNR, FITZ, MJAR, GSPA, GSPA, GSPA, JML, PETK, H03S2, H03S1, H03S3, H03N2, H03N3, H03N1, ILAR, CMAR, BRTR, GERES, MMAI.

SOME 21 14:58:55.8, 41.72N, 71.72E, h5km, KRNET 21 14:58:56.0, 41.72N, 71.72E, h18km, mb2.5, NNC 21 14:58:58.1, 0.4, 41.89N, 71.72E, h0km, mb3.0, mpv3.2, Error ellipse: s-maj=10.6km s-min=3.6km az=174.0

ISC 21 14:58:56.0, 0.9, 41.71N, 0.02:71.75E, 0.02, h10km, 7km, n43, c1647/5, 23C-18D, Kyrgyzstan

Main station list table for the third section, including stations like ARK, ARK, ARK, TRKS, TRKS, MNAS, MNAS, ARSB, ARSB, IUG, IUG, IUG, OHH, OHH, MRKS, MRKS, MRKS, MRKS, AML, AML, KK31, KK31, KK31, KKAR, KKAR, CHM, CHM, CHM, OMRZ, TARZ, HLRZ, UTU, UTU, KAH, KAH, RRR, RRR, NGRZ, HSRZ, MARZ, HRRZ, OPRZ, PRZR, ALRZ, MUGZ, MUGZ, WPRZ, WPRZ, TGRZ, TBCS, URZ, URZ, URZ, URZ, KUTZ, RTZ, RTZ, RTZ, MRZ, MRZ, MRZ, OPCS, MTHZ, MTHZ, WATZ, WATZ, HATZ, HATZ, RAGZ, RAGZ, RAGZ, MWZ, MWZ, MWZ, SHGZ, SHGZ, SHGZ.

NOU 21 15:00:20.6, 1.4, 15:59S, 0.3:2'4W, h10km, n9, c0548, 4C, South Sandwich Islands region

IDC 21 15:00:20.6, 1.4, 15:59S, 0.3:2'4W, h10km, n9, c0548, 4C, South Sandwich Islands region

IDC 21 15:00:20.6, 1.4, 15:59S, 0.3:2'4W, h10km, n9, c0548, 4C, South Sandwich Islands region

Main station list table for the fourth section, including stations like VNA1, VNA3, VNA2, SNA, TROLL, TROLL, LBTB, TORO, MKAR, SONM, NOU 21, OMRZ, TARZ, HLRZ, UTU, KAH, RRR, NGRZ, HSRZ, MARZ, HRRZ, OPRZ, PRZR, ALRZ, MUGZ, WPRZ, TGRZ, TBCS, URZ, URZ, URZ, KUTZ, RTZ, MRZ, MRZ, MRZ, OPCS, MTHZ, WATZ, HATZ, RAGZ, MWZ, SHGZ.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DRK, AAK, AAK, AAK, KBK, KBK, KBK, USP, USP, USP, CHMS, CHMS, CHMS, CHMS, SGDS, SGDS, SGDS, GAR, GAR, GAR, TKM2, TKM2, DGS, DGS, DGS, DGS, DGS, ULHL, ULHL, ULHL, KST, KST, KST, KST, CHGR, CHGR, BTLS, BTLS, BTLS, MTBS, MTBS, MTBS, MTBS, MTBS, TNSH, TNSH, TNSH, TNSH, TNSH, MDOK, MDOK, MDOK, MDOK, MDOK, CHHK, CHHK, CHHK, CHHK, CHHK.

IDC 21 15:00:20.6, 1.4, 15:59S, 0.3:2'4W, h10km, n9, c0548, 4C, South Sandwich Islands region

IDC 21 15:00:20.6, 1.4, 15:59S, 0.3:2'4W, h10km, n9, c0548, 4C, South Sandwich Islands region

IDC 21 15:00:20.6, 1.4, 15:59S, 0.3:2'4W, h10km, n9, c0548, 4C, South Sandwich Islands region

Main station list table for the fifth section, including stations like VNA1, VNA3, VNA2, SNA, TROLL, TROLL, LBTB, TORO, MKAR, SONM, NOU 21, OMRZ, TARZ, HLRZ, UTU, KAH, RRR, NGRZ, HSRZ, MARZ, HRRZ, OPRZ, PRZR, ALRZ, MUGZ, WPRZ, TGRZ, TBCS, URZ, URZ, URZ, KUTZ, RTZ, MRZ, MRZ, MRZ, OPCS, MTHZ, WATZ, HATZ, RAGZ, MWZ, SHGZ.

21d 16h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like SNGZ, RUGZ, BKZ, etc.

IDC 21 15:21:40.6:74.0, 21.89S:176.77W, h0km, mb3.7/3, mbtmp3.7/3, Error ellipse: s-maj=1359.0km s-min=188.4km az=86.0, Fij Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like STKA, ASAR, WRA.

SNET 21 15:40:45.0:1.0, 11.41N:85.30W, h160km, ML2.2 UCR 21 15:40:51.7:0.7, 11.13N:85.95W, h59km, 3km, MW4.2

ISC 21 15:40:53.9:1.3, 11.14N:85.85W, h0.05, h50km, n59, r1943/62, 11D, Nicaragua

Large table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like LCRUZ, ELI1, VORI, etc.

PMON Piemonte 4.20 308 eP Pn 15 41 53.9 -1.8 NUBE Las Nubes 4.68 306 P Pn 15 42 04.6 +2.4

PRE 21 15:44:14.9:0.8, 26.49S:27.52E, h2km, ML2.5 BGS1 21 15:44:16.2:2.3, 26.50S:27.93E, h0km, 11km, ML2.8

ISC 21 15:44:14.3:1.3, 26.51S:27.64E, h0.03, h6km, 11km, n23, c2019/43, 1D, South Africa

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HRAO, SNKL, SWZ, etc.

2019 JAN

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PMBG, MREMI, MOPA, etc.

SJA 21 15:45:17.0:30.03S:71.69W, h10km, ML2.9 GUC 21 15:45:21.3:0.8, 30.12S:71.29W, h64km, 3km, ML2.5

ISC 21 15:45:20.9:1.6, 30.04S:71.47W, h0.09, h66km, 11km, n17, c082/22, 1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CO05, CO04, CO03, etc.

IDC 21 15:56:22.8:7.1, 5.34S:147.06E, h132km, 108km, mb2.8/2, mbtmp3.4/4, ML3.5/1, Error ellipse: s-maj=156.6km s-min=38.4km az=113.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PMG, WRA, ASAR, etc.

WEL 21 15:57:56.2:1.1, 35.52S:24.17W, h140km, 48km, M3.6/6, MLV3.6/6, Error ellipse: s-maj=45.5km s-min=14.2km az=131.3, South of Kermadec Islands

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MXZ, WMGZ, PKGZ, etc.

NEIC 21 16:00:59.7:1.7, 13.2S:0.1x112.1W, h0.2, h10km, 1km, mb4.6/19, Error ellipse: s-maj=26.9km s-min=22.8km az=228.0

IDC 21 16:00:59.3:1.3, 12.94S:111.58W, h0km, mb3.9/9, mbtmp3.9/9, MS3.8/27, Error ellipse: s-maj=52.9km s-min=19.9km az=52.0

ISC 21 16:00:59.1:0.7, 13.2S:0.1x112.0W, 0.1, h10km, n63, c113/35, mb4.5/19, MS3.8/26, Central East Pacific Rise

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like RPN, ATAH, CMIG.

1238

Large table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like H03N2, H03N3, H03N1, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations 1241.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations HOLLU through TWSI.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations 0.1nm19m,1.3s through QSPA.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Ratzaki, Kefa, Kiyllini, Iliia, Pessada-Kefalo, Valsamata, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Jayapura, Moresby, Honiara, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Creek, etc.

ADC 21 17:30:51.4e.1.5,37:43N,20:89E, h0km, mb3.5/8, m-bmp=3.59, ML3.6/11, Error ellipse: s-maj=28.0km

ATH 21 17:30:53.0,37:30N,20:84E, h25km,6km, ML3.4/11, Error ellipse: s-maj=7.0km s-min=1.3km az=14.0

THE 21 17:30:53.0,37:30N,20:87E, h5km,2km, ML3.3/9, Error ellipse: s-maj=2.9km s-min=1.1km az=356.0

ISC 21 17:30:51.7,1.7,37.31N,0.06,20.89E,0.04,h8km,1.1km, n43,e067/57,mb3.5/8,Ionian Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Lithakia, Kipseli, Zakini, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TSLS Tsoukalades, LTK Loutraki, IGT Igoumenitsa, etc.

TAP 21 17:34:25.3,24:41N,121:68E, h28km, ML1.4, A, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ENA Nanau, EAHA Aohua, EWUT Wuta, etc.

ADC 21 17:37:49.6,0.9,4:37N,126:89E, h0km, mb3.7/8, m-bmp=3.7/8, MS3.4/3, Error ellipse: s-maj=75.2km

DJA 21 17:37:53.4,0.8,4:N,5:12'E, h1,1h1km,5km, M4, 1/12, mb4.9/1, mb4.0/6, MLv4.1/12, Mw(mb)B,4.2/1

ISC 21 17:37:54.8,0.8,4,4N,0.1,126.89E,0.09,h35km,n16,e052/13,mb3.7/8,Taloud Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SANGHE Sangihe, TINTI Ternate, KMSI Cibinong, etc.

SOME 21 17:48:13.2,47:50N,79:50E, h5km NNC 21 17:48:15.0,0.6,47:50N,79:31E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=7.3km s-min=4.0km az=115.0

21d 18h

Table with columns: DJR, ARX, ARKS, ZSN, CHKK, CHHK, KPKS, KURS, SHLS, UZB, ZHN, BTLS, MDOK, TNS, MTBS, DGS, KST, SGDS, MRKS, KK31. Rows contain station names, codes, and numerical data.

Table with columns: FITZ, WRA, ASAR, STKA, MKAR, KURBB. Rows contain station names, codes, and numerical data.

Table with columns: PMG. Row contains station name, code, and numerical data.

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Main table with columns: WRA, ASAR, MKAR, IDC, GCMT, ISC, GUMO, JCU, PATS, JAW, JOW, H1N1, H1N2, H1N3, DAV, MJAR, MAJO, JNU, JMM, FAKI, TNTI, TG, PMG, KSRS, KSAR, KS19, ASAJ, HNR, USRK, USR, KAP, KLR, CTA, WBO, WRAB, WRAB, WRA, WRA, PETK, FITZ, FITZ, ASAR, ASAR, DZM, MA2, CHTO, CM31, CMAR, CMAR, ULN, ULN, SONM, SONM, SONM, SONM, YAK, YAK, PSI, STKA, STKA, LSA, LSA, NWAO. Rows contain station names, codes, and numerical data.

Table with columns: TIXI, ZAAO, ZALV, ZALV, MK31, MKAR, MKAR, MKAR, MAKZ, MAKZ, URK, URK, KURBB, KURBB, PALK, PALK, NRK, NRK, NRK, NRK, IL31, IL31, ILAR, ILAR, NIL, NIL, DRK, DRK, KK31, KK31, KK31, KK31, BRVK, BRVK, GAR, GAR, CHGR, CHGR, SIMJ, SIMJ, KBL, KBL, KBL, KBL, PPT, PPT, ABKAR, ABKAR, ARTI, ARTI, ARTI, ARTI, BBB, BBB, AKTO, AKTO, KIRV, KIRV, YKA, YKA, YBH, YBH, RES, RES, NEW, NEW, ARCES, ARCES, NVAR, NVAR, DAG, DAG, PFO, PFO, FINES, FINES, PDAR, PDAR, AKASO, AKASO, NOA, NOA, NOA, NOA, BRTR, BRTR, LPIG, LPIG, MLR, MLR, TORD, TORD. Rows contain station names, codes, and numerical data.

Table with columns: THE 21, ATH 21, IDC 21, NEIC 21, NAO 21, ISC 21, Code, Station Name, A, AZ, Phase ID, Time, Res, h, m, s, ISC. Rows contain detailed station information and codes.

DMLN	comp=E,26um,0.5s	S	Sg	18 17 19.1	-0.5
DMLN	Damouliana-K	0.60	Pg	18 17 11.3	-0.3
DMLN	Riolos of Patr	0.67	Sb	18 17 20.1	+0.5
RLS	comp=E,13um,0.5s	P	Sb	18 17 12.7	-0.3
RLS	Riolos of Patr	0.67	Sb	18 17 23.4	+1.4
RLS	comp=N,22205um,0.9s	P	Sb	18 17 12.9	-0.1
RLS	comp=N,22205um,0.9s	P	Sb	18 17 23.1	+1.1
RLS	comp=N,22205um,0.9s	P	Sb	18 17 24.6	
RLS	comp=N,22205um,0.9s	P	Sb	18 17 24.9	
FSK	Fiskardo	0.76	349	18 17 13.7	-0.8
FSK	comp=N,9um,0.9s	P	Sb	18 17 26.1	+1.5
FSK	Fiskardo	0.76	349	18 17 13.8	-0.7
FSK	comp=N,17556um,0.9s	P	Sb	18 17 25.8	+1.2
FSK	comp=N,17556um,0.9s	P	Sb	18 17 30.9	
AMT	Artemida-Makis	0.79	103	18 17 14.7	-0.4
AMT	Drossia	0.80	73	18 17 26.3	-1.4
DRO	Drossia	0.80	73	18 17 19.5	-0.4
DRO	Drossia	0.80	73	18 17 28.3	+0.3
DRO	comp=N,14um,0.6s	P	Pb	18 17 15.1	-0.2
DRO	comp=N,14um,0.6s	P	Pb	18 17 28.0	0.0
DRO	comp=N,14um,0.6s	P	Pb	18 17 40.0	
DRO	comp=N,23470um,0.9s	P	Pb	18 17 43.8	
EVGI	Lefkada island	0.91	356	18 17 16.3	-1.1
EVGI	comp=N,8um,0.3s	P	Pb	18 17 31.1	+2.1
DRAG	Lefkada island	0.91	356	18 17 16.7	-0.7
DRAG	Dragano-Lefkad	0.98	352	18 17 17.4	-1.3
DRAG	comp=N,98nm,0.5s	P	Pb	18 17 32.8	+1.8
NYDR	Nydri-Lefkada	1.00	358	18 17 17.9	-1.2
NYDR	Nydri-Lefkada	1.00	358	18 17 18.3	-0.8
UPR	University Cam	1.00	55	18 17 19.3	+0.2
UPR	University Cam	1.00	55	18 17 35.7	+2.9
LKD2	Lefkada island	1.07	356	18 17 19.0	-0.7
LKD2	Lefkada island	1.07	356	18 17 19.6	+0.4
LKD2	comp=N,20408um,0.6s	P	Pb	18 17 36.5	+1.7
LKD2	comp=N,13630um,0.6s	P	Pb	18 17 44.3	
ITM	Ithomi	1.08	119	18 17 19.9	-0.4
ITM	Ithomi	1.08	119	18 17 20.1	-0.2
ITM	Ithomi	1.08	119	18 17 19.5	-0.8
ITM	Ithomi	1.08	119	18 17 34.5	+0.4
ITM	comp=N,5072um,0.7s	P	Pb	18 17 42.4	
ITM	comp=N,5072um,0.7s	P	Pb	18 17 50.5	
TSLK	Tsoukalades, L	1.11	356	18 17 20.1	-0.5
TSLK	Tsoukalades, L	1.11	356	18 17 20.2	-0.3
TSLK	comp=N,17403um,0.8s	P	Pb	18 17 43.7	
TSLK	comp=N,11487um,0.7s	P	Pb	18 17 47.5	
KLK	Kalavryta, Ach	1.16	73	18 17 20.6	-0.9
KLK	Kalavryta, Ach	1.16	73	18 17 21.4	+0.1
KLK	comp=N,6540um,0.9s	P	Pb	18 17 38.9	+2.0
KLK	comp=N,6540um,0.9s	P	Pb	18 17 56.2	
ALIK	Aliki, Aigiiali	1.21	63	18 17 22.2	-0.9
ANX	Ano Chora	1.28	46	18 17 23.3	-0.1
ANX	Goura	1.28	46	18 17 23.2	+1.4
GUR	Goura	1.28	46	18 17 23.0	-0.6
GUR	Goura	1.28	46	18 17 23.5	-1.1
GUR	Goura	1.28	46	18 17 41.8	+1.7
GUR	comp=N,9959um,0.6s	P	Pb	18 17 51.1	
GUR	comp=N,9959um,0.6s	P	Pb	18 17 59.5	
KALE	Kalitha	1.29	58	18 17 23.1	-0.1
EVV	Evrýtania	1.46	35	18 17 27.5	-0.5
EVV	comp=N,12491um,0.5s	P	Pb	18 17 47.7	+0.7
EVV	comp=N,12491um,0.5s	P	Pb	18 17 53.3	
EVV	comp=N,12491um,0.5s	P	Pb	18 17 53.9	
TETR	Tetrakomo, Epi	1.68	14	18 17 30.4	0.0
TETR	Tetrakomo, Epi	1.68	14	18 17 54.3	+0.4
JAN	Janina	1.94	2	18 17 35.2	+0.4
JAN	comp=N,5648um,0.8s	P	Pb	18 18 12.9	
JAN	comp=N,2329um,0.7s	P	Pb	18 18 23.6	
THL	Klokotos Trika	2.10	28	18 17 37.4	0.0
THL	comp=N,2636um,1.0s	P	Pb	18 18 13.6	
THL	comp=N,2174um,0.8s	P	Pb	18 18 15.9	
KEK	Kerkira	2.13	340	18 17 36.1	+1.5
LIT	Litokhoron	2.74	29	18 17 45.5	+2.4
KBK	Korca	2.96	4	18 17 48.0	+2.6
SCTE	Santa Cesarea	2.95	34	18 17 46.9	+1.0
FNA	Florida	3.10	9	18 17 50.0	+1.9
OHR	Ohrif	3.39	1	18 17 55.6	+3.5
TIP	Tipragrande	3.45	296	18 17 54.1	+1.1
TIR	Tirane	3.69	30	18 17 56.2	+0.1
WAV	Valandovo	3.87	21	18 17 44.1	+3.0
CEL	Celeste	3.87	280	18 17 59.3	+0.7
IDI	Anoyia	4.12	125	18 18 01.2	-1.0
IDI	comp=N,2.3nm,0.4s,baz=315,slow=14,SNR=9.7	P	Pb	18 18 50.2	+0.1
MATE	Matera	4.29	314	18 18 07.7	+1.1
PUK	Puka	4.37	352	18 18 05.9	+0.3
PEHC	Pechevo	4.38	22	18 18 08.9	+3.1
CUC	Castrocuoco	4.47	302	18 18 07.9	+1.1
PDG	Podgorica	4.85	347	18 18 12.2	+0.3
PDG	Podgorica	4.85	347	18 18 12.2	+0.5
HCY	Herceg Novi	5.03	341	18 18 12.8	-1.7
VAE	Valguarnera	5.04	269	18 18 19.5	+4.9
VAE	comp=N,9.5nm,0.5s,baz=63,slow=2.3,SNR=5.0	P	Pb	18 18 19.5	+4.9
RDO	Rodhophi	5.05	46	18 18 17.0	+2.2
RAFF	Raffo Rosso	5.10	266	18 18 14.3	-1.3
ALD	Alexandroupoli	5.20	51	18 18 18.1	+1.3
WNN	Wied Dalm	5.35	251	18 18 18.0	-0.7
IRY	Iratoqost	5.45	343	18 18 17.6	+2.8
SJES	Sjenica	5.57	354	18 18 22.5	+0.4
STON	Ston	5.65	337	18 18 22.1	-0.9
UPM	Unac-Piva	5.66	346	18 18 23.4	+0.1
PAOL	Paolisi	5.82	307	18 18 26.5	+1.0
RUDO	Rudo	5.95	299	18 18 27.0	+0.2
BBS	Lazi&263i	6.23	351	18 18 30.4	-0.6
HAPS	Han Pijesak, BI	6.51	349	18 18 35.0	+0.1
INTR	Introdacqua	6.79	311	18 18 40.0	+1.3
TEKS	Tekeris	6.89	353	18 18 38.9	-1.2
CAMP	Campotosto	7.40	313	18 18 44.1	+1.2
FRCS	Fruska Gora	7.47	315	18 18 47.4	+0.6
AG50A	Klekavaca	7.47	336	18 18 46.9	-1.2
BLY	Banja Luka	7.52	340	18 18 47.8	-0.9
NRCA	Norcica	7.75	314	18 18 54.7	+2.7
GZR	Gura Zlata	7.82	11	18 18 54.4	+1.5
A051A	Mirakovica	7.84	340	18 18 50.5	-2.6
FDMO	Fjordimonte	7.90	315	18 18 56.2	-1.1
MTUR	Matua	8.17	22	18 19 01.3	+3.6
ARR	Arges	8.18	20	18 19 00.1	+2.2
VOIR	Voiron	8.36	21	18 19 03.5	+3.2
SIRR	Siria	8.57	4	18 19 05.2	+2.1
ISR	Istria	8.57	4	18 19 05.2	+8.7
MORH	Mirny, Hungar	8.64	350	18 19 03.3	-1.4
MLR	Muntele Rosu	8.69	25	18 19 07.1	+2.2
MLR	comp=N,0.2nm,0.3s,baz=229,slow=11,SNR=7.2	P	Pb	18 19 07.1	+2.2
MLR	comp=N,0.2nm,0.3s,baz=229,slow=11,SNR=7.2	P	Pb	18 20 16.5	
MLR	comp=N,2.6nm,0.7s	P	Pb	18 19 10.0	+5.2
BOJS	Bojanci	8.80	334	18 19 04.9	-1.3
DOPR	Dopca	8.94	21	18 19 11.7	+3.5
CRES	Cresnjevec Ost	9.01	336	18 19 08.2	-1.0

OZUR	9.18	23	P	Pn	18 19 08.1	-3.4	
PLOR	Plostina	9.24	27	P	Pn	18 19 16.0	+3.6
VRI	Vrincioia	9.29	27	P	Pn	18 19 09.7	-3.3
CEY	Cerknica	9.30	332	ePn	Pn	18 19 13.5	+0.4
SKDS	Skadanscina	9.30	329	ePn	Pn	18 19 09.8	-3.4
KEST	Kesra	9.36	261	LR	LR	18 23 38.6	
SOKA	comp=N,93nm,18.5s,baz=0.7,slow=42	P	Pn	18 19 19.9	-1.6		
SOKA	Soboth	9.90	337	ePn	Pn	18 19 19.9	-1.6
SOKA	comp=N,3.5nm,0.4s	P	Pn	18 21 04.0	-8.3		
OBKA	comp=N,8.5nm,0.9s	P	Pn	18 19 22.3	+0.6		
OBKA	Obir	9.92	334	Pn	Pn	18 19 22.3	+0.6
OBKA	comp=N,7.0nm,0.7s	P	Pn	18 21 05.2	-7.4		
OBKA	Obir	9.92	334	ePn	Pn	18 19 21.5	-0.1
PSZ	Piskazesteto	10.22	357	Pn	Pn	18 19 25.6	-0.1
BRTR	Keskin Array B	10.27	75	Pn	Pn	18 19 29.0	+2.4
BRTR	comp=N,0.1nm,0.3s,baz=258,slow=12,SNR=4.1	P	Pn	18 23 53.3			
ARSA	Arzberg	10.28	340	Pn	Pn	18 19 26.1	-0.4
MYKA	Terra Mystica	10.35	332	ePn	Pn	18 19 24.8	-2.7
MYKA	comp=N,0.2nm,0.1s	P	Pn	18 21 19.9	-3.2		
RONA	Rosalia, Austria	10.50	343	ePn	Pn	18 19 30.5	+0.9
CIMO	Cimolais	10.57	327	Pn	Pn	18 19 29.9	-0.7
CINO	Conrad Observa	10.81	342	ePn	Pn	18 19 33.6	-0.3
KBA	Koelnbreinsprng	10.83	332	Pn	Pn	18 19 33.9	-0.4
KBA	comp=N,3.1nm,0.6s	P	Pn	18 21 29.8	-5.4		
YVHS	Yyhne	10.86	353	ePn	Pn	18 19 34.5	0.0
YVHS	Yyhne	10.89	329	ePn	Pn	18 19 30.0	-5.1
ABTA	Abfaltersbach	11.19	329	ePn	Pn	18 19 38.2	+3.3
MOA	Molin	11.19	337	ePn	Pn	18 19 34.0	-4.9
BIOA	comp=N,2.7nm,0.6s	P	Pn	18 19 38.1	-1.7		
BIOA	Bad Ischl, Austria	11.25	335	ePn	Pn	18 19 38.1	-1.7
BIOA	comp=N,4.5nm,0.8s	P	Pn	18 21 32.9	-1.2		
WTTA	Wattenberg	11.66	328	Pn	Pn	18 19 47.2	+1.6
WTTA	comp=N,3.9nm,0.7s	P	Pn	18 21 51.2	-4.3		
WATA	Walderalm	11.74	328	ePn	Pn	18 19 50.3	+3.6
WATA	comp=N,5.0nm,0.6s	P	Pn	18 21 51.7	-5.8		
SQTA	Sankt Quirin	11.81	327	ePn	Pn	18 19 51.1	+3.5
SQTA	comp=N,3.3nm,0.7s	P	Pn	18 21 55.0	-4.1		
FETA	Feichten	11.88	325	ePn	Pn	18 19 53.8	+5.3
FETA	comp=N,1.7nm,0.6s	P	Pn	18 21 55.8	-4.9		
MOTA	Moosalm	11.96	327	Pn	Pn	18 19 50.0	+0.4
MOTA	comp=N,4.1nm,0.6s	P	Pn	18 21 58.0	-4.6		
VRAC	Vranov	11.97	347	LR	LR	18 25 54.3	
RETA	Reutte	12.21	326	Pn	Pn	18 22 00.8	-8.0
GERES	GERESS Array B	12.24	338	Pn	Pn	18 19 53.2	-0.3
GERES	GERESS Array B	12.24	338	Pn	Pn	18 19 53.7	+0.2
GERES	comp=N,0.1nm,0.3s,baz=164,slow=18,SNR=3.0	P	Pn	18 22 05.1	-4.5		
GERES	comp=N,0.2nm,0.3s,baz=149,slow=22,SNR=3.4	P	Pn	18 26 28.8			
DAVA	Damuelis	12.47	324	ePn	Pn	18 22 08.4	-6.8
KHC	Kasperske Hory	12.54	338	ePn	Pn	18 19 55.5	-1.9
MMAI	Mount Meron Ar	12.85	107	Pn	Pn	18 20 00.8	-0.9
KIEV	Kiev	14.31	22	Pn	Pn	18 20 26.3	-2.4
AKASG	Malin Array Be	14.32	22	Pn	Pn	18 20 23.2	+0.5
AKASG	comp=N,1.5nm,0.9s,baz=211,slow=8.8,SNR=13	P	Pn	18 26 18.3			
AKASG	comp=N,1.84nm,18.0s,baz=202,slow=39	P	Pn	18 20 26.6	-2.1		
AKB	Malin Array Si	14.32	22	P	Pn	18 20 44.3	+1.6
WLF	Walferdang	15.90	323	Iamb	Iamb	18 20 51.0	
SUW	Suwalki	16.39	5	Pn	Pn	18 20 49.5	+0.6
SUW	comp=N,2.46nm,0.9s	P	Pn	18 20 53.7			
GNI	Garni	18.82	75	LR	LR	18 30 02.4	
ESDC	Sonsec Array	19.37	283	P	Pn	18 21 27.7	+1.8
ESDC	comp=N,2.1nm,0.8s,baz=92,slow=12,SNR=6.9	P	Pn	18 31 12.5			
MDT	Midelt	21.24	264	LR	LR	18 32 03.5	+1.1
HFS	Hagfors	22.88	351	P	Pn	18 32 03.6	
HFS	comp=N,2.16nm,0.8s,baz=158,slow=9.3,SNR=16	P	Pn	18 32 03.6			
HFS	comp=N,2.126nm,21.7s,baz=9.5,slow=39	P					

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARUT, DWU, PSUT, ZNPU, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR, KURBS, BVAR, TORD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR, D25K, BMAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, WRA, LEM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YAK, BILL, KRSR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FCC, NVAR, CHGR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZSN, MK31, MAZK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like E1K, D22K, E22K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBO, WB2, HFS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, SONM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CCB, H24K, E24K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, AKAS, AKBB, etc.

21d 22h

Table with columns: KHC, Kasperse Hory, GERES, GERES, BATG, BRTR, M57A, FORT, FUORN, MMAI, FDMO, PLCA, CPUP, BELTA, BLWA. Includes station names, coordinates, and various parameters.

RSNC 21 22:01:59.9.0.4 N1:7.6W.1, h10km,3km, M0.9, ML0.9, Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANIL, ORTC, YOTC, PRAC, CBOC, URM.

ICD 21 22:04:07.8.2.0.35:92N:140.88E, h44km,18km, mb3.4/9, mblmp3.7/13, ML3.9/3, Error ellipse: s-maj=20.1km

JMA 21 22:04:08.6.0.2.36:0N:0.4:140.8E:0.8, h55km,1km, Md4.0/39, MV3.7/39, E OFF IBARAKI PREF

JMA Fd II J1 at E OFF IBARAKI PREF.

NIED 21 22:04:08.6.35:96N:140.80E, h55km, MW3.9 Moment Tensor Solution, s3 Moment tensor, Scale 10^14Nm

NEIC 21 22:04:09.2.3.35:93N:0.06:140.8E:0.1, h54km,8km, mb4.3/17 Error ellipse: s-maj=13.0km s-min=7.9km

ISC 21 22:04:08.3.0.9.35:96N:0.04:140.94E:0.06, h50km,7km, n69, r124/71, mb4.0/18, 8D, Near east coast of eastern

Honshu

Large table listing stations in Honshu with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIHU, JHYU, JMT, JYT, JHO, BSO3, JAG, JFB, JJK, JKT, JMM, JMM, MJAR, MAJO, MAJO, MJB9, JGF, JGF, JSO, JSD, JHU, JHU, INU, INU, JTM, JTM, ERM, ERM, JEM, JKA, ASAJ, USRK, SONM, SONM, TIXI, TIXI, ZALV, ZALV, C16K, C16K, MK31, MKAR, L16K, C18K, K17K, KURK, KURK, KURB, E19K.

2019 JAN

Table listing stations in 2019 JAN with columns: E19K, ILAR, BVAR, M27K, I28M, G30M, I30M, G31M, WB2, WRA, ABKAR, C36M, ASAR, NC204, NOA, GSPA. Includes station names, coordinates, and various parameters.

DJA 21 22:27:57.3.0.4.7.3'S:3'13'0E, h182km,13km, M4.5/12, mb4.9/2, mb4.1/8, MLV4.6/12, Mw(mB)4.2/2

ISC 21 22:27:57.7.1.2.6.70S:0.10:129.78E:0.10, h146km, n13, r145/3, Banda Sea

Table listing stations in Banda Sea with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SAUI, MSAI, FAKI, KMPI, DRN, SWI, MTN, SOEI, KDU, RKPI, WBSI.

UCR 21 22:34:18.1.1.6.5:98N:82.37W, h1km,36km, MW3.8

RSNC 21 22:34:19.5.0.3.4.6'N:2'8'2W, h0km, M3.9, mb4.5, mB5.5, ML3.0, Mw(mB)5.0

UPA 21 22:34:22.4.0.2.6.10N:82.38W, h14km,17km, MW4.5

ISC 21 22:34:19.6.1.4.6.00N:0.06:82.45W:0.07, h10km, n47, r181/64, I-C-2D, South of Panama

Large table listing stations in South of Panama with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CACAO, GMAL, MARI3, PTFM, PEDE3, DVD, MESA3, LPPC, PIRO, PTA3, EDAD, BRU2, BRU2, MLR3, AZU, AZU, AZU, AZU, AZU, CHIT3, CHGR2, DRKO, CN12, CN12, LCR2, BCIP, BCIP, BCIP, VTCV, VICA, RVLA, PTAC, PTAC, JTS, JTS, PIZZ, PIZZ, PIZZ, MALC, MALC, PLMC, PLMC, PLMC, DBBC, DBBC, JAMC, JAMC, JAMC, YOTC.

1250

Table listing stations in 1250 with columns: YOTC, YOTC, YOTC, POCP, POCP, POCP, PAC1, PAC1, PAC1, OTAV, OTAV, GUY2C, GUY2C, ANIL, ANIL, ORTC, ORTC, ORTC, PPLP, PPLP, PRAC, PRAC. Includes station names, coordinates, and various parameters.

GUC 21 22:37:14.2.0.7.32:47S:71.86W, h24km,14km, ML3.5, Near coast of central Chile

Large table listing stations in Near coast of central Chile with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VA06, VA06, VA01, VA01, CO04, CO04, ROCH, ROCH, MT02, MT02, MT03, MT03, PEL, PEL, VA05, VA05, MT05, MT05, MT10, MT10, MT14, MT14, MT16, MT16, MT01, MT01, MT09, MT09, MT03, MT03, FCH, FCH, FCH, MT12, MT12, MT04, MT04, MT13, MT13, BO04, BO04, BO04, CO03, CO03, CO03, BO03, BO03, I40PG, I39PW, I07AU, TRN 21 22:43:10.6.15:84N:61.55W, h18km, MD3.8, South of Guadalupe, Les Salinas, Leeward Islands

YSS	Yuzhno-Sakhali	60.75	18c	iP	P	00 09 32.0	-0.7		
YSS				ePPP	PPP	00 13 19.8			
YSS				eS	S	00 17 45.0	-2.9		
YSS				ePS	S	00 18 16.3			
YSS	comp=Z,50nm,1.0s			pmax	pmax				
YSS	comp=Z,2um,4.6s			pmax	pmax				
YSS	comp=N,700nm,4.3s			pmax	pmax				
YSS	comp=E,700nm,4.0s			MLR	MLR				
YSS	comp=N,2um,16.0s			MLR	MLR				
YSS	comp=Z,2um,16.0s			MLR	MLR				
YSS	comp=E,1um,18.0s			MLR	MLR				
SRNI	Srinagar	60.90	319	eP	P	00 09 33.6	-0.4		
SRNI				IAMB	IAMB	00 09 40.4			
WMQ	Urumqi	60.92	334	P	P	00 09 33.5	-0.6		
WMQ				sP	pwP	00 09 45.1	-0.8		
WMQ				ScP	S	00 14 16.3	-0.7		
WMQ				S	S	00 17 47.6	-2.8		
WMQ				sS	sS	00 18 02.0	-2.2		
WMQ				ScS	SKKSac	00 19 22.0	-1.1		
WMQ	comp=Z,160nm,1.3s			pmax	pmax				
WMQ	comp=Z,3um,5.7s			LR	LR				
WMQ	comp=Z,5um,19.7s			LR	LR				
WMQ	comp=Z,7um,17.3s			LR	LR				
RAO	Raoul Island	61.54	118	LR	LR	00 37 17.6			
RAO	comp=Z,12um,19.0s,baz=266,slow=37								
NIL	Nilore	61.68	317	P	P	00 09 37.8	-1.6		
NIL				IAMB	IAMB	00 10 09.5			
NIL	comp=Z,63nm,0.8s			IAMS_20	IAMS_20	00 38 27.6			
NIL	comp=Z,10um,21.0s			P	P	00 09 37.8	-1.6		
NIL	comp=Z,63nm,0.9s			MLR	MLR				
NIL	comp=Z,10um,21.0s			MLR	MLR				
ZAK	Zakamensk	61.95	349	eP	P	00 09 40.0	-0.9		
ZAK				pmax	pmax				
ZAK	comp=Z,86nm,1.8s			pmax	pmax				
ZAK	comp=Z,7.0nm,1.1s			pmax	pmax				
CIT	Chita	62.21	356	eP	P	00 09 42.2	-0.4		
CIT				e	e	00 10 25.4			
CIT				e	e	00 12 01.8			
CIT	comp=Z,393nm,2.0s			pmax	pmax				
UGL	Ulgjegorsk	62.45	17c	iP	P	00 09 43.3	-0.8		
UGL				eS	S	00 12 05.3			
UGL	comp=Z,200nm,1.7s			pmax	pmax				
UGL	comp=Z,2um,6.0s			pmax	pmax				
GRNR	Gornyy	62.62	12	iP	P	00 09 44.7	-0.6		
GRNR				pmax	pmax				
GRNR	comp=N,30nm,1.2s			pmax	pmax				
GRNR	comp=Z,60nm,1.0s			MLR	MLR				
GRNR	comp=N,2um,20.0s			MLR	MLR				
GRNR	comp=E,920nm,20.0s			MLR	MLR				
GRNR	comp=Z,3um,19.0s			MLR	MLR				
MSEY	Mahe Island	63.23	270	P	P	00 09 49.4	-0.7		
MSEY				IAMB	IAMB	00 10 11.6			
MSEY	comp=Z,85nm,1.3s			IAMS_20	IAMS_20	00 32 48.0			
MSEY	comp=Z,13um,21.0s			P	P	00 09 50.5	+0.3		
MSEY	Mahe Island	63.23	270	S	S	00 18 17.6	-3.0		
MSEY				P	P	00 09 49.4	-0.7		
MSEY	Mahe Island	63.23	270	P	P	00 09 52.4	+2.3		
MSEY				eP	eP	00 09 50.6	-0.8		
MSEY	Mahe Island	63.23	270	P	P	00 18 18.8	-4.2		
MSEY				eS	eS				
MSEY	comp=Z,446nm,2.2s			pmax	pmax				
MOY	Mondy	63.63	348	eP	P	00 09 51.6	-0.5		
MOY				pmax	pmax				
KSH	Kashi	63.67	324	P	P	00 09 51.4	-1.2		
KSH				sP	pwP	00 10 03.0	-1.3		
KSH				pmax	pmax				
KSH	comp=Z,130nm,0.9s			pmax	pmax				
KSH	comp=Z,2um,5.2s			LR	LR				
KSH	comp=Z,6um,19.4s			LR	LR				
KSH	comp=Z,5um,20.8s			LR	LR				
KSH	comp=Z,10um,22.4s			LR	LR				
ZEA	Zeya	64.13	5	eP	P	00 09 54.0	-1.2		
ZEA				eS	S	00 18 30.1	0.0		
ZEA				e	e	00 22 37.3			
ZEA	comp=N,500nm,6.3s			pmax	pmax				
ZEA	comp=Z,1um,9.0s			pmax	pmax				
ZEA	comp=E,30nm,1.2s			pmax	pmax				
ZEA	comp=N,80nm,0.8s			pmax	pmax				
ZEA	comp=Z,180nm,0.9s			smax	smax				
ZEA	comp=N,1um,12.0s			S	S	00 09 54.0	-2.1		
ZEA	Shalkode	64.27	329	eP	P	00 18 29.4	-3.2		
ZEA				eS	S	00 09 57.5	+0.4		
ZEA	comp=Z,129nm,1.2s			eP	P	00 09 54.5	-2.1		
ZEA	Shalkode	64.27	329	eP	P	00 18 29.4	-3.2		
ZEA				eS	S	00 09 57.5	+0.4		
ZEA	comp=Z,129nm,1.2s			eP	P	00 09 54.5	-2.1		
ZEA	Przheval'sk	64.34	328	P	P	00 09 57.5	+0.4		
ZEA				IAMS_20	IAMS_20	00 41 44.4			
ZEA	comp=Z,13um,22.0s			P	P	00 09 55.4	-1.8		
ZEA	Przheval'sk	64.34	328	P	P	00 09 57.1	-0.9		
ZEA				MLR	MLR				
ZEA	comp=Z,13um,22.0s			P	P	00 09 55.4	-1.8		
ZEA	Podgornoye	64.38	329	eP	P	00 09 57.1	-0.9		
ZEA	Uzymbulak	64.49	329	eP	P	00 09 57.1	-0.9		
ZEA				pmax	pmax				
ZEA	comp=Z,116nm,1.4s			eP	P	00 09 57.1	-0.9		
ZEA	Uzymbulak	64.49	329	eP	P	00 09 57.1	-0.9		
ZEA				pmax	pmax				
ZEA	comp=Z,116nm,1.4s			eS	S	00 09 58.8	-0.8		
ZEA	Saty	64.74	328	eS	S	00 18 37.8	-0.7		
ZEA				pmax	pmax				
ZEA	comp=Z,134nm,1.3s			eP	P	00 09 58.8	-0.8		
ZEA	Saty	64.74	328	eP	P	00 18 37.8	-0.7		
ZEA				eS	S	00 09 59.9	+0.1		
ZEA	Kajisay	64.75	327	P	P	00 09 59.9	+0.1		
ZEA				IAMB	IAMB	00 10 01.9			
ZEA	Kajisay	64.75	327	P	P	00 09 59.9	+0.1		
ZEA				pmax	pmax				
ZEA	comp=Z,118nm,1.1s			P	P	00 09 59.1	-0.9		
ZEA	Zhinishe	64.81	328	eP	P	00 09 59.1	-0.9		
ZEA				pmax	pmax				
ZEA	comp=Z,78nm,1.3s			eP	P	00 09 59.1	-0.9		
ZEA	Zhinishe	64.81	328	eP	P	00 09 59.1	-0.9		
ZEA				eP	P	00 09 59.7	-0.8		
ZEA	Kokpek	64.89	329	eP	P	00 18 39.4	-0.7		
ZEA				eS	S				
ZEA	comp=Z,127nm,1.2s			pmax	pmax				
ZEA	Kokpek	64.89	329	eP	P	00 09 59.7	-0.8		

comp=Z,127nm,1.2s	KPKS			eS	S	00 18 39.5	-0.7		
KBU	Kabul Universi	64.97	316	P	P	00 09 57.2	-4.2		
ZSN	Zaisan	65.02	335	eP	P	00 10 00.4	-0.7		
ZSN				eS	S	00 18 40.8	-0.6		
ZSN	comp=Z,133nm,1.2s			pmax	pmax				
ZSN	Zaisan	65.02	335	eP	P	00 10 00.4	-0.7		
ZSN	comp=Z,133nm,1.2s			eS	S	00 18 40.9	-0.6		
ZSN	Kabul	65.05	316	P	P	00 10 00.4	-1.5		
ZSN	Kabul	65.05	316	P	P	00 10 00.4	-1.5		
ZSN	SNR=55			P	P	00 10 00.4	-1.5		
KBL				S	S	00 18 34.1	-8.5		
KBL				S	S	00 18 34.1	-8.5		
KBL	Kabul	65.05	316	P	P	00 10 00.4	-1.5		
KBL				S	S	00 18 34.1	-8.5		
KBL				S	S	00 18 34.1	-8.5		
KBL	Kabul	65.05	316	P	P	00 10 00.4	-1.5		
KBL				pmax	pmax				
TNSS	Tian-Shan	65.50	327	eP	P	00 10 03.7	-1.1		
TNSS	Tian-Shan	65.50	327	eP	P	00 10 03.7	-1.1		
TNSS	Medeo	65.53	327	eP	P	00 10 03.8	-0.9		
TNSS				eS	S	00 18 47.4	-0.8		
TNSS	MDOK			MLR	MLR				
TNSS	MDOK			MLR	MLR				
TNSS	comp=Z,4um,19.0s			MLR	MLR				
TNSS	MDOK	65.53	327	eP	P	00 10 03.9	-0.9		
TNSS				eS	S	00 18 47.4	-0.8		
TNSS	MDOK			LR	LR	00 41 14.7			
TNSS	comp=Z,4um,18.8s			P	P	00 10 04.5	-0.5		
TNSS	Makanchi Array	65.61	333	P	P	00 10 03.9	-1.1		
TNSS	Makanchi Array	65.61	333	eP	P	00 10 04.5	-0.5		
TNSS	Makanchi Array	65.61	333	eP	P	00 10 03.9	-1.1		
TNSS	Makanchi Array	65.61	333	eP	P	00 10 04.5	-0.5		
TNSS	comp=Z,153nm,0.8s,baz=149,slow=5.6,SNR=475			P	P	00 38 48.6	+2.1		
TNSS	comp=Z,0.6nm,1.0s,baz=270,slow=2.4,SNR=4.6			LR	LR	00 42 31.9			
TNSS	comp=Z,5um,18.8s,baz=144,slow=4			LR	LR				
TNSS	comp=Z,153nm,0.8s			LR	LR				
TNSS	Alma-Ata	65.63	327	eP	P	00 10 04.6	-0.7		
TNSS				pmax	pmax				
TNSS	comp=Z,131nm,1.3s			MLR	MLR				
TNSS	AAA	65.63	327	eP	P	00 10 04.6	-0.7		
TNSS				pmax	pmax				
TNSS	AAA	65.63	327	eP	P	00 10 04.6	-0.7		
TNSS				MLR	MLR				
TNSS	AAA	65.63	327	eP	P	00 10 04.6	-0.7		
TNSS				LR	LR	00 41 17.3			
TNSS	comp=Z,10um,19.1s			LR	LR				
TNSS	MAKZ	65.76	333	P	P	00 10 05.5	-0.6		
TNSS	Makanchi	65.76	333	P	P	00 10 05.5	-0.6		
TNSS				IAMS_20	IAMS_20	00 40 56.6			
TNSS	MAKZ	65.76	333	P	P	00 10 05.5	-0.6		
TNSS				IAMS_20	IAMS_20	00 40 56.6			
TNSS	MAKZ	65.76	333	P	P	00 10 05.5	-0.6		
TNSS				IAMS_20	IAMS_20	00 40 56.6			
TNSS	MAKZ	65.76	333	P	P	00 10 05.5	-0.6		
TNSS				IAMS_20	IAMS_20	00 40 56.6			
TNSS	MAKZ	65.76	333	P	P	00 10 05.5	-0.6		
TNSS				IAMS_20	IAMS_20	0			

21d 23h

Table with columns for country/region, name, time, and various performance metrics. Includes entries for Azerbaijan (Ajan, Petropavlovsk), Russia (Muzera, Berezniki, Ruwais, etc.), and others.

2019 JAN

Table with columns for country/region, name, time, and various performance metrics. Includes entries for Russia (Nori'sk, Pongola, etc.), Kazakhstan (Kars, etc.), and others.

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Table with columns for country/region, name, time, and various performance metrics. Includes entries for Azerbaijan (Tiarei, Boshof, etc.), Russia (Lepheph, etc.), and others.

Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like FFC, YMR, VTX, PVAQ, etc.

Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like JFWS, I42A, JCT, L40A, etc.

Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like ERPA, PTGB, WABT, ACSSO, etc.

22d Oh

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for MTO3, PFBR, SDBA, LPAZ, etc.

NEIC 22:00:04:49.3:0.18:18N:0.1:64:67W:0.05,h35km,2km, ML2.3/20,MD3.3/9(RSPR), Error ellipse: s-maj=20.3km s-min=7.5km az=1.0

RSPR 22:00:04:50.2:18:18N:0.1:64:67W:h1km,1km,MD3.3/9 ISC 22:00:04:49.0:2.0:18:18N:0.1:64:67W:0.06,h42km,n62, az=42/61,10C-9D, Virgin Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for HUMP, EMPR, OBIP, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for CRPR, JMA, JIUJ, JTA, MOS, NEIC, DJA, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes entries for CMAR, CHTO, TOO, JOW, KMI, PZH, WHN, ENH, PALK, etc.

Table with columns: Call sign, Frequency, Mode, Power, Direction, and other parameters. Includes stations like UZB Uzynbulak, SATY Saty, KDJ Kajisay, ZHN Zhinishe, etc.

Table with columns: Call sign, Frequency, Mode, Power, Direction, and other parameters. Includes stations like TIXI Tikisi, NR1K Nori'sk, ARTI Arti, KBZ Khabaz, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like La Serena, Tololo Observa, El Pedregal, Juntas del Tor, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, AKASO Malin Array B, NOA NORSAR Array B, PDAR Pinedale Array, BRTR Kesklin Array B, TXAR Lajitas Array, DBIC Dimbokro, LPAZ La Paz.

IDC 22 03:10:28.5:3.0, 32.2:42S; 178.45W, h0km, mb3.8, 2.
mbtmp3.8/3, ML3.3/1, MS4.2/1, Error ellipse: s-maj=68.8km
s-min=36.5km az=115.0
NEIC 22 03:10:48.0:1.1, 33.0:6S; 0.06:179.9W; 0.2, h2km, 9km,
mb4.6/14, Error ellipse: s-maj=24.2km s-min=3.5km
az=108.0

ISC 22 03:10:48.6:0.9, 33:1S; 0.1:179.9W; 0.1, h100km, n25,
-189.24, mb4.5/10, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, MXZ Matakaoa Point, URZ Urewera, RTZ Ruatuhuna, BKZ Black Stump Fm, BFZ Birch Farm, THZ Tophouse, CTAO Charters Tower, BBOO Buckleboo, COEN Coen, ASAR Alice Springs, WB2 Warramunga Arr, WRA Warramunga Arr, WB0 Warramunga Arr, FORT Forrest, JAY Jayapura, FITZ Fitzroy Cross, NWA0 Narogin (SRO), CASY Casey, TOLIZ Tolitoli, BELA Belgrano 2, ERM Ermo, HOPE Hope Point, FINES FINESS Array B.

comp=2.1, 1mm, 0.5s, bsz=113, slow=7.9, SNR=17

comp=2.1, 1mm, 0.5s, bsz=12, slow=4.5, SNR=7.4

BGR 22 03:19:17.7, 20:29N; 123:55E, h17km, mb4.9

TAP 22 03:19:26.7, 22:23N; 121:39E, h21km, ML5.1, C

ASIES 22 03:19:26.7, 22:23N; 121:39E, h21km, ML5.1, Mw4.7,

Moment Tensor Solution. Moment tensor: Scale 10^23Nm;

M=0.55; M=0.02; M=1.30; M=0.68; M=0.62; M=0.60;

Fault plane solution: M=1.48347x10^23 NP1:

phi=233.330000, lambda=37.0000, lambda=145.680000. NP2:

phi=347.72000, lambda=0.0000, lambda=147.10000. Principal axes: T

P1g50.15100, Azm109.03100; N P1g38.12100, Azm1.1100;

P P1g1.92000, Azm106.97300

BJJ 22 03:19:26.0, 22:20N; 121:40E, h19km, mb4.8/26, mb4.5/65,

ML4.6/8, Ms4.5/65, Ms7.4/3/64

NEIC 22 03:19:27.1:1.4, 22:17N; 0:05:121.47E, h24km, 4km,

mb4.9/154, Mw4.7/27, Error ellipse: s-maj=8.7km

s-min=7.3km az=74.0, Moment Tensor Solution. Moment

tensor: Scale 10^19Nm; M=0.64; M=0.77; M=0.142;

M=0.61; M=0.69; M=0.29; Fault plane solution: M=1.07000x10^16 NP1:

phi=82.00000, lambda=37.00000, lambda=172.00000. NP2:

phi=345.00000, lambda=0.00000, lambda=53.00000.0.

NEIC 22 03:19:27.3, 22:17N; 121:46E, h26km

JMA 22 03:19:27.5:0.1, 22:5N; 0:05:121.6E; 0.3, h0km, MD4.8/19,

MV5.2/19, TAIWAN REGION

IDC 22 03:19:28.7:1.1, 22:05N; 121:56E, h48km, 9km, mb4.5/32,

mbtmp4.8/34, ML4.0/2, MS4.0/51, Error ellipse:

s-maj=13.7km s-min=9.9km az=72.0

GCMT 22 03:19:30.1:0.4, 22:18N; 0:03:121.31E; 0:03, h25km, 1km,

MW5.0/71, Moment Tensor Solution. s20, c26; s71, c92;

Duration: 0. Moment tensor: Scale 10^16Nm; M=1.01e-24;

M=0.40; lambda=1.5; M=2.50; lambda=2.35; M=1.55; 0.29;

M=1.28; 27. Best double couple: M=3.70500x10^16

NP1: phi=235.00000, lambda=0.00000, lambda=142.00000. NP2:

phi=30.00000, lambda=0.00000, lambda=144.00000. Principal axes: T

4.2160, P1g51.00000, Azm206.00000; N -1.0250,

P1g39.00000, Azm17.00000; P -3.1940, P1g4.00000,

P1g31.00000; nsta1 refers to body waves, cutoff=40s.

nsta2 refers to surface waves, cutoff=50s. Triangular

moment-rate function

ISC 22 03:19:26.8:0.6, 22:17N; 0:02:121.46E; 0:02, h30km, 3km,

n708, r194/820, mb4.9/193, MS4.1/55, 35C-62D, Taiwan

region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LAY Lan-yu, LYUB Lan-yu, LDUT Ludao, TAW Tawu, TAWH Dawu Township, TSEB Hengchuen, Pin, SMST Manzhou Townsh, EAST Anshuo, ELIU Shizi, SLIU.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ECL Taimali, TWKBT Hengchun, TWK1 Hengchun, TTN Taitung, HEN Hengchun, SNW Nanwan, TWGT Beinan, TWG Pinlang, TWG Pinlang, LONT Longtian, LONT Longtian, SCZT Fangliu, EDH Donghe, MASBT Mashibuluo, MASBT Mashibuluo, TSMG Majia, TSMG Majia, CHKT Chengkung, CHKT Chengkung, ECS Chishang, ECS Chishang, EHD Haiduan, EHD Haiduan, WLDH Liuqu, WLDH Liuqu, CHKH Chenggong, CHKH Chenggong, TSPT Hsiangtong City, TSPT Hsiangtong City, FULB Jiufu, FULB Jiufu, SGLT Jiouru, SGLT Jiouru, SGLT Lidau, SGLT Lidau, ELDTW Kaohsiung, ELDTW Kaohsiung, KAU Kaohsiung, KAU Kaohsiung, ECBN Changbin, ECBN Changbin, SCST Cishan, SCST Cishan, SCST Shoushan, SCST Shoushan, TWMI Yuli, TWMI Yuli, EYUL Yuli, EYUL Yuli, STYH Taoyuan, STYH Taoyuan, STYH Taoyuan, STYH Taoyuan, TWY1 Taoyuan, TWY1 Taoyuan, TWY1 Taoyuan, TWY1 Taoyuan, SNJT Kaohsiung City, SNJT Kaohsiung City, WSSB Gushan, WSSB Gushan, SGST Jiushan, SGST Jiushan, YULB Yu-li, YULB Yu-li, YULB Yu-li, YULB Yu-li, HGSD Ruisui, HGSD Ruisui, YHYS Wanrong, YHYS Wanrong, WTP Ta-pu, WTP Ta-pu, CHN1 Nanshi, CHN1 Nanshi, CHN1 Tainan City, CHN1 Tainan City, SHHT Hanyue, SHHT Hanyue, EHY Hanyue, EHY Hanyue, TPUB Ta-pu, TPUB Ta-pu, TPUB Ta-pu, TPUB Ta-pu, SNST Tainan City, SNST Tainan City, SNST Tainan City, SNST Tainan City, TWK Hsinying, TWK Hsinying, TWK Tsaushan, TWK Tsaushan, CHN4 Tainan, CHN4 Tainan, TAI Tainan, TAI Tainan, TAI Yung-k'ang, TAI Yung-k'ang, SSHA Shanhua, SSHA Shanhua, SSHA Shanhua, SSHA Shanhua, ALS Alishan, ALS Alishan, ALS Alishan, ALS Alishan, WCKO Fanlu, WCKO Fanlu, WCKO Fanlu, WCKO Fanlu, GFHF Guangfu, GFHF Guangfu, GFHF Guangfu, GFHF Guangfu, TEGC Jichi Village, TEGC Jichi Village, SCLT Jiali, SCLT Jiali, SCLT Fenglin Township, SCLT Fenglin Township, WARB Tainan City, WARB Tainan City, CHNS Tsauling, CHNS Tsauling, TSCK Chigu Township, TSCK Chigu Township, TSCK TSCK, VVDT VVDT, VVDT VVDT, VVDT VVDT, ICHU Yijhu, ICHU Yijhu, ICHU Yijhu, SHUL Shoufeng, SHUL Shoufeng, SHUL Shoufeng, WHYT Xinyi Township, WHYT Xinyi Township, WHYT Xinyi Township, CHY Chiayi, CHY Chiayi, CHY Chiayi, CHN2 Minshuiung, CHN2 Minshuiung, ESL Shilin, ESL Shilin, ESL Shilin, CHNB Yijhu, CHNB Yijhu, SSSL Suanglung, SSSL Suanglung, SSSL Suanglung, TEVL Yanliu Villag, TEVL Yanliu Villag, TEVL Yanliu Villag, WDK Gukeng, WDK Gukeng, WDK Gukeng, WDLH Douliou, WDLH Douliou, WDLH Douliou, WDL Douliou City, WDL Douliou City, WSL Shulin Township, WSL Shulin Township, WSL WSL, WJS Zhushan, WJS Zhushan, WJS Zhushan, SMT Sun Moon Lake, SMT Sun Moon Lake, SMT Sun Moon Lake, SMT Tongmen, SMT Tongmen, ETM Renai, ETM Renai, OWD Renai, OWD Renai, OWD Hwaiien, OWD Hwaiien, HWA Hwaiien, WTK Tuku, WTK Tuku, WTK Tuku, TYC Yuchr, TYC Yuchr, TYC Yuchr, TYC Renai, TYC Renai, WUISB Renai, WUISB Renai, LXIB Xiulin Township, LXIB Xiulin Township, LXIB Mingjian, LXIB Mingjian, WNT Nantou City, WNT Nantou City, WDL Chiawan, WDL Chiawan, DPDB Guoxing, DPDB Guoxing, WCS Beigang Elemen, WCS Beigang Elemen, WHF Hehuan Shan, WHF Hehuan Shan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WHF Wufeng, WDFG Tungji, WDFG Tungji, ETL Fush Village, ETL Fush Village, FLNB Erlin, FLNB Erlin, WRL Guolierin Hig, WRL Guolierin Hig, WRF Wufeng, WRF Wufeng, NACB Ninganchiao, NACB Ninganchiao, NACB Ninganchiao, ETLH Xiulin Townshi, ETLH Xiulin Townshi, WCH1 Changhua City, WCH1 Changhua City, WCHH Zhanghua, WCHH Zhanghua, FUSS Fushou, FUSS Fushou, FUSS Tachien, FUSS Tachien, TWT Tech, TWT Tech, TDCB Tech, TDCB Tech, E0S4 E0S4, E0S4 E0S4, TCU Taichung, TCU Taichung, TCU Gimei, TCU Gimei, VCHM Gimei, VCHM Gimei, VCHM Gimei, WHP Taichung City, WHP Taichung City, EAHA Aohua, EAHA Aohua, PHUB Peng-hu, PHUB Peng-hu, PHUB Peng-hu, PNG Penghu, PNG Penghu, E0S3 E0S3, E0S3 E0S3, NNSB Datong, NNSB Datong, NNSH Datong, NNSH Datong, TWQ1 Liyutan, TWQ1 Liyutan, NNS Nan Shan, NNS Nan Shan, ENA Nana, ENA Nana, EWUT Wuta, EWUT Wuta, EWUT Wuta, EWUT Wuta, WDJ Dajia District, WDJ Dajia District, TWJ Jiji, TWJ Jiji, NSY Sanyi, NSY Sanyi, E0S2 E0S2, E0S2 E0S2, E0S2 E0S2, LATG Datong, LATG Datong, S Uao, S Uao, ESOO Miaoli, ESOO Miaoli, NMLH Miaoli, NMLH Miaoli, NMLH Suao, NMLH Suao, TWC Tainan, TWC Tainan, ENTT Nioudou, ENTT Nioudou, ENTT Nioudou, NDS Dongshan, NDS Dongshan, NDS Wufeng Townshi, NDS Wufeng Townshi, NFF Wufeng, NFF Wufeng, NFF Wufeng, NSTT Nanjuang, NSTT Nanjuang, YHNB Yeheng, YHNB Yeheng, YHNB Yeheng, YHNB Sanguang, YHNB Sanguang, NSK Sanguang, NSK Sanguang, NSK Sanguang, LIOB Emei, LIOB Emei, LIOB Emei, TWE Neicheng, TWE Neicheng, TWE Wulai, TWE Wulai, NWT Wulai, NWT Wulai, KSHI Guanxi Townshi, KSHI Guanxi Townshi, KSHI Guanxi Townshi, SBCB Hsinchu, SBCB Hsinchu, SBCB Hsinchu, YONG Yonagunijimaku, YONG Yonagunijimaku, YONG Yonagunijimaku, HSN Hsinchu, HSN Hsinchu, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, EGS Egs, EGS Egs, TATO Taipei, TATO Taipei, TATO Taipei, NCUH Zhongli, NCUH Zhongli, TWA Mucha, TWA Mucha, TIPB Shuangxi, TIPB Shuangxi, TIPB Hateruma jima, TIPB Hateruma jima, HATJ Hateruma jima, HATJ Hateruma jima, HATJ Hateruma jima, HATJ Hateruma jima, TWB1 Santiaochiao, TWB1 Santiaochiao, TWB1 Wufen Shan, TWB1 Wufen Shan, TWB1 Kuangyinshan, TWB1 Kuangyinshan, SX11 Grass Mountain, SX11 Grass Mountain, SX11 Zhuzihu, SX11 Zhuzihu, NIST Danshui, NIST Danshui, IRIF Iriomote-Funau, IRIF Iriomote-Funau, IRIF Iriomote-Funau, ANP Anping, ANP Anping, YMO8 YMO8, YMO8 YMO8, YW8 Yenchu, YW8 Yenchu, JKRS Kuro-shima, JKRS Kuro-shima, JIJ Ishigaki jima, JIJ Ishigaki jima, JIJ Ishigaki jima, VVUC VVUC, VVUC VVUC, JISG Ishigakijima, JISG Ishigakijima, JISG Ishigakijima, JISG Ishigakijima, KNM Kinmen, KNM Kinmen, PTBZ Houxingcun, PTBZ Houxingcun, KNMB Chin-men Tao, KNMB Chin-men Tao, KNMB Chin-men Tao, QZH Quanzhou, QZH Quanzhou, QZH comp=E, 400nm, 0.5s, QZH comp=E, 530nm, 0.6s, QZH comp=E, 3um, 21.0s, QZH comp=E, 4um, 11.6s, ZPLA Ao Xicun, ZPLA Ao Xicun, JTJ Tarama, JTJ Tarama, JTJ Tarama, DSXP Dongshan, DSXP Dongshan, MATB Ma-tsu, MATB Ma-tsu, AXDP Jialang, AXDP Jialang, JIRB Jabujima, JIRB Jabujima, JIRB Miyako jima3, JIRB Miyako jima3, JMAJ2 JMAJ2.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Miyokajima, Ikemajima, Gusukube, Yeshan, Pratas Island, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BJI, PZH, INU, JGF, CJJ, PHRA, MAJO, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like GTA, SPSI, GOMU, KAPI, FAKI, SHL, BRDH, ASAJ, ULN, KLR, SONM, PSI, PPI, NGJI, MDSI, PWJI, KSI, KPJI, SOEI, BATI, WMQ, MTN, KDU, KNRA, ZSN, MK31, MKAR, MKAR, YAK, PMG, SHLS, UZB, KPKS, SATY, PETK, COEN, COEN, PALK, ZAAO, ZAAO, ZALV, ZALV, ZALV, KSH, KSH, KSH, KSH, MDOK, TNSS, AAA, H11N1, H11N2, H11N3, H11S3, H11S1, H11S2, CHKK, MA2, PSACI, WB0, WRAB, WRAB.

WRA	comp=Z,19nm,0.9s	Warramunga Arr	43.70 162	P	P	03 27 27.6	-1.7
WRA	comp=Z,13nm,0.6s,baz=346,slow=8.9,SNR=94	Warramunga Arr	43.70 162	PcP	P	03 27 35.3	-0.8
WRA	comp=Z,3.5nm,0.6s,baz=345,slow=3.7,SNR=7.3	Warramunga Arr	43.70 162	ScP	ScP	03 29 10.4	-3.3
WBZ	comp=Z,0.8nm,0.8s,baz=334,slow=4.4,SNR=3.2	Warramunga Arr	43.70 162	Iamb	Iamb	03 27 29.3	
NIL	comp=Z,13nm,0.6s	Nilore	43.77 296	P	P	03 27 29.5	-0.4
KURK	comp=Z,25nm,0.7s	Kurchatov	43.81 321	P	Iamb	03 27 30.4	+0.5
KURBB	comp=Z,1.1nm,0.7s,baz=116,slow=7.6,SNR=49	Kurchatov Arr	43.82 321	P	P	03 27 30.3	+0.3
KURBB	comp=Z,1.8nm,0.7s,baz=118,slow=3.6,SNR=49	Kurchatov Arr	43.82 321	PcP	PcP	03 29 16.0	-0.1
KURBB	comp=Z,0.7nm,0.8s,baz=97,slow=3.7,SNR=4.5	Kurchatov Arr	43.82 321	ScP	ScP	03 33 00.4	-1.7
KURBB	comp=Z,1.46nm,20.9s,baz=166,slow=36	Kurchatov Arr	43.82 321	LR	LR	03 46 12.1	
AAK	comp=Z,2.11nm,21.4s,baz=104,slow=37	Ala-Archa	43.95 309	P	P	03 27 30.3	-1.1
AAK	comp=Z,2.11nm,21.4s,baz=104,slow=37	Ala-Archa	43.95 309	LR	LR	03 46 24.0	
BTLS	comp=Z,2.11nm,21.4s,baz=104,slow=37	Baital	44.83 312	eP	P	03 27 39.6	+1.5
GIRL	comp=Z,2.8nm,0.5s	Giralia	45.09 189	P	P	03 27 40.7	+0.3
GIRL	comp=Z,2.8nm,0.5s	Giralia	45.09 189	P	P	03 27 41.5	+1.1
SEY	comp=Z,2.283nm,1.1s	Seymchan	45.79 19	P	P	03 27 45.6	+0.2
SEY	comp=Z,1.4nm,0.2s,baz=4.3,slow=23,SNR=1.9	Seymchan	45.79 19	PcP	PcP	03 29 22.4	-0.3
MTSU	comp=Z,1.0nm,0.2s	Mount Surprise	45.87 149	P	P	03 27 46.7	0.0
QIS	comp=Z,1.4nm,0.8s	Mount Isa	46.01 156	P	P	03 27 46.8	-0.9
DZA	comp=Z,33nm,0.8s	Taraz	46.28 309	eP	P	03 27 51.3	+1.6
GAR	comp=Z,5.5nm,0.6s	Garm	46.51 303	P	P	03 27 52.6	+0.9
GAR	comp=Z,3.22nm,1.2s	Garm	46.51 303	Iamb	Iamb	03 28 08.8	
KKAR	comp=Z,2.9nm,0.8s	Karatay Array	46.91 309	P	P	03 27 55.8	+1.1
BRZS	comp=Z,2.9nm,0.8s	Berezinski	47.09 318	eS	S	03 27 57.3	+1.3
IUG	comp=Z,1.5nm,1.1s	Iuzhnay	47.11 307	eP	P	03 27 58.0	+1.6
AS31	comp=Z,2.9nm,0.5s	Alice Springs	47.14 164	P	P	03 27 55.3	-1.2
ASAR	comp=Z,2.7.8nm,0.5s,baz=343,slow=7.9,SNR=89	Alice Springs	47.14 164	P	P	03 27 55.5	-1.0
ASAR	comp=Z,4.9nm,0.7s,baz=351,slow=2.9,SNR=6	Alice Springs	47.14 164	PcP	PcP	03 29 27.6	-0.5
ASAR	comp=Z,0.7nm,0.8s,baz=337,slow=3.9,SNR=5.2	Alice Springs	47.14 164	ScP	ScP	03 33 17.8	-2.1
ASAR	comp=Z,0.7nm,0.8s,baz=344,slow=1.4,SNR=4.7	Alice Springs	47.14 164	S	S	03 34 40.5	-6.7
KBL	comp=Z,7.8nm,0.5s	Kabul	47.28 297	P	P	03 27 57.9	0.0
KBL	comp=Z,7.8nm,0.5s	Kabul	47.28 297	Iamb	Iamb	03 28 04.2	
CHGR	comp=Z,1.1nm,0.8s	Chuyangaron	47.38 303	P	P	03 27 58.6	+0.2
CHGR	comp=Z,1.1nm,0.8s	Chuyangaron	47.38 303	Iamb	Iamb	03 28 20.2	
BRLS	comp=Z,1.9nm,1.0s	Borolday	47.39 309	eP	P	03 28 00.6	+2.2
WRKA	comp=Z,2.5nm,0.6s	Warakura	47.39 172	P	P	03 27 57.3	-1.2
SIMJ	comp=Z,4.79nm,0.3s	Simigan	47.49 303	P	P	03 27 59.8	+0.4
MEEK	comp=Z,4.85nm,0.3s	Meekatharra	48.59 183	P	P	03 28 04.8	-3.0
HNR	comp=Z,82nm,19.9s,baz=334,slow=33	Honiara	49.09 126	LR	LR	03 46 18.0	
BVAR	comp=Z,82nm,19.9s,baz=334,slow=33	Borovyoye Array	49.40 322	P	P	03 28 14.8	+1.1
BVAR	comp=Z,5.3nm,0.8s,baz=106,slow=8.4,SNR=36	Borovyoye Array	49.40 322	PcP	PcP	03 29 35.7	-0.1
BVAR	comp=Z,7.0nm,0.7s,baz=98,slow=4.2,SNR=8.2	Borovyoye Array	49.40 322	ScP	ScP	03 33 28.1	-1.0
BVAR	comp=Z,2.0nm,0.9s,baz=104,slow=6.1,SNR=4.6	Borovyoye Array	49.40 322	LR	LR	03 50 14.1	
BVAR	comp=Z,1.49nm,21.3s,baz=105,slow=37	Borovyoye Array	49.40 322	P	P	03 28 14.8	+0.6
BRVK	comp=Z,5.3nm,0.4s	Borovyoye	49.47 322	P	Iamb	03 28 22.1	
BRVK	comp=Z,1.10nm,0.8s	Borovyoye	49.47 322	Iamb	Iamb	03 28 22.1	
TIXI	comp=Z,6.6nm,0.7s	Tiksi	49.69 3	P	P	03 28 16.2	+0.6
TIXI	comp=Z,6.6nm,0.7s	Tiksi	49.69 3	Iamb	Iamb	03 28 20.7	
MORW	comp=Z,39nm,1.4s	Morawa	51.20 186	Iamb	Iamb	03 28 41.6	
NRIK	comp=Z,2.1nm,0.7s	Noril'sk	51.41 345	Iamb	Iamb	03 28 29.5	
NRIK	comp=Z,2.22nm,0.8s,baz=124,slow=8.3,SNR=43	Noril'sk	51.41 345	P	P	03 28 28.9	+0.3
NRIK	comp=Z,2.22nm,0.8s,baz=124,slow=8.3,SNR=43	Noril'sk	51.41 345	ScP	ScP	03 33 35.6	-1.8
NRIK	comp=Z,1.0nm,0.4s,baz=142,slow=8.0,SNR=2.1	Noril'sk	51.41 345	LR	LR	03 51 55.7	
NRIK	comp=Z,2.09nm,18.9s,baz=156,slow=38	Noril'sk	51.41 345	P	P	03 28 28.9	+0.3
FORT	comp=Z,2.22nm,0.8s	Forrest	53.02 173	P	P	03 28 38.5	-2.5
KMBL	comp=Z,33nm,0.7s	Kambalda	53.23 180	P	P	03 28 40.9	-1.7
QLP	comp=Z,1.6nm,0.9s	Quilpie	53.24 154	P	P	03 28 41.8	-0.9
KLBR	comp=Z,1.6nm,0.9s	Kellerberrin	53.57 184	P	P	03 28 43.9	-1.2
ABKAR	comp=Z,9.9nm,0.9s	Akbulak array	55.04 315	P	Iamb	03 28 56.5	+0.8
ABKAR	comp=Z,9.9nm,0.9s	Akbulak array	55.04 315	Iamb	Iamb	03 29 01.1	
AKTO	comp=Z,1.81nm,18.0s	Aktyubinsk	56.40 317	LR	LR	03 54 46.0	
BBOO	comp=Z,7.1nm,0.8s	Buckleboo	56.42 165	P	P	03 29 03.9	-1.7
ARTI	comp=Z,1.0nm,0.7s	Arti	56.96 324	P	Iamb	03 29 09.9	+0.6
ARTI	comp=Z,1.0nm,0.7s	Arti	56.96 324	Iamb	Iamb	03 29 10.6	
ARTI	comp=Z,1.70nm,18.9s,baz=116,slow=40	Arti	56.96 324	LR	LR	03 57 34.6	
STKA	comp=Z,1.5nm,0.6s,baz=335,slow=7.2,SNR=64	Stevens Creek	57.09 160	P	P	03 29 10.4	0.0
STKA	comp=Z,1.5nm,0.6s,baz=335,slow=7.2,SNR=64	Stevens Creek	57.09 160	P	P	03 29 10.3	-1.1
STKA	comp=Z,1.5nm,0.6s,baz=335,slow=7.2,SNR=64	Stevens Creek	57.09 160	P	P	03 29 09.9	-0.4
HTT	comp=Z,1.5nm,0.6s	Hallett	57.74 163	P	P	03 29 14.7	-0.3
CMSA	comp=Z,2.1nm,0.9s	Cobar Meteorol	58.23 156	P	P	03 29 18.4	0.0
ARMA	comp=Z,8.4nm,0.8s	Armidale	59.78 150	P	Iamb	03 29 29.9	+0.5
ARMA	comp=Z,8.4nm,0.8s	Armidale	59.78 150	Iamb	Iamb	03 29 32.7	
ARMA	comp=Z,1.2nm,1.2s	Armidale	59.78 150	P	P	03 29 28.8	-1.1
ARPS	comp=Z,3.4nm,0.7s	Mount Adzules	61.69 161	P	P	03 29 41.5	-0.9
YNG	comp=Z,62nm,0.9s	Young	61.72 155	P	P	03 29 41.5	-0.9
KIRV	comp=Z,1.65nm,20.2s,baz=92,slow=39	Kirov	62.02 326	LR	LR	03 59 41.2	
BELG	comp=Z,1.46nm,19.8s,baz=75,slow=39	Belogornoye	62.96 319	LR	LR	04 00 35.0	
CNB	comp=Z,1.9nm,1.0s	Camberra Magne	62.99 155	P	P	03 29 50.9	-0.4
TOO	comp=Z,6.9nm,0.7s	Toolangi	63.58 159	P	P	03 29 55.1	+0.3
TOO	comp=Z,6.9nm,0.7s	Toolangi	63.58 159	Iamb	Iamb	03 29 56.3	
TOO	comp=Z,1.1nm,0.8s	Toolangi	63.58 159	P	P	03 29 54.5	-0.2
E18K	comp=Z,4.2nm,0.7s	Tukpahlearkic R	65.11 25	Iamb	Iamb	03 30 18.1	
J17K	comp=Z,4.2nm,0.7s	VAMB Dome	65.72 29	Iamb	Iamb	03 30 27.0	
D19K	comp=Z,9.2nm,0.4s	Kuna River	66.08 23	Iamb	Iamb	03 30 31.2	
GNI	comp=Z,1.8nm,1.1s	Garni	66.16 305	P	Iamb	03 30 12.2	+0.3
GNI	comp=Z,1.8nm,1.1s	Garni	66.16 305	Iamb	Iamb	03 30 23.0	
GNI	comp=Z,9.2nm,19.7s,baz=94,slow=41	Garni	66.16 305	LR	LR	04 04 26.0	
E19K	comp=Z,2.1nm,0.8s	Redstone River	66.42 25	Iamb	Iamb	03 30 29.5	
H19K	comp=Z,1.2nm,1.1s	Roundabout Mou	66.79 27	Iamb	Iamb	03 30 46.4	
KBZ	comp=Z,9.3nm,0.8s,baz=100,slow=4.2,SNR=17	Khabaz	66.94 309	P	P	03 30 17.9	+1.4
KBZ	comp=Z,9.3nm,0.8s	Khabaz	66.94 309	LR	LR	04 04 27.0	

KIV	comp=Z,67.06 310	Kislovodsk	67.06 310	P	P	03 30 18.0	+0.5
KIV	comp=Z,67.06 310	Kislovodsk	67.06 310	P	P	03 30 19.7	+2.2
KIV	comp=Z,67.06 310	Kislovodsk	67.06 310	P	P	03 30 19.4	+1.9
KARS	comp=Z,67.33 306	Kars	67.33 306	P	P	03 30 20.5	+1.2
B22K	comp=Z,67.69 21	Teshekupuk Lake	67.69 21	Iamb	Iamb	03 30 22.4	+1.6
GEVA	comp=Z,67.78 304	Gevas	67.78 304	P	Iamb	03 30 23.9	
GEVA	comp=Z,67.78 304	Gevas	67.78 304	Iamb	Iamb	03 30 23.4	+1.1
D22K	comp=Z,68.05 23	Ayikyak River	68.05 23	Iamb	Iamb	03 30 35.4	
MSVF	comp=Z,68.10 121	Nonsauv	68.10 121	LR	LR	03 57 17.7	
SIRT	comp=Z,68.42 303	Sirnak	68.42 303	P	P	03 30 27.2	+1.1
GURO	comp=Z,68.52 304	Guroymak-BITLI	68.52 304	P	Iamb	03 30 28.1	+1.3
GURO	comp=Z,68.52 304	Guroymak-BITLI	68.52 304	Iamb	Iamb	03 30 30.0	
D23K	comp=Z,68.76 23	Nanushuk River	68.76 23	Iamb	Iamb	03 30 43.0	
P19K	comp=Z,68.80 33	Oil Pt	68.80 33	P	P	03 30 29.8	+1.8
CAST	comp=Z,68.85 29	Castle Rocks	68.85 29	P	P	03 30 29.2	+0.9
RAYN	comp=Z,69.19 288	Ar Rayn	69.19 288	Iamb	Iamb	03 30 31.5	+0.4
RAYN	comp=Z,69.19 288	Ar Rayn	69.19 288	Iamb	Iamb	03 30 34.0	
OBN	comp=Z,69.24 322	Obninsk	69.24 322	P	P	03 30 31.1	+0.4
OBN	comp=Z,69.24 322	Obninsk	69.24 322	Iamb	Iamb	03 30 31.4	
E23K	comp=Z,69.26 24	Chadalar	69.26 24	Iamb	Iamb	03 30 46.4	
C24K	comp=Z,69.36 22	Franklin Bluff	69.36 22	Iamb	Iamb	03 30 33.8	
KOPT	comp=Z,69.39 306	Kop Dag	69.39 306	P	Iamb	03 30 33.7	+1.3
KOPT	comp=Z,69.39 306	Kop Dag	69.39 306	Iamb	Iamb	03 30 39.3	
D24K	comp=Z,69.40 22	Happy Valley	69.40 22	Iamb	Iamb	03 30 54.7	
SUA	comp=Z,69.75 31	Susitna One	69.75 31	P	Iamb	03 30 35.4	+1.5
SUA	comp=Z,69.75 31	Susitna One	69.75 31	Iamb	Iamb	03 30 56.1	
MARD	comp=Z,69.75 303	Mardin	69.75 303	P	P	03 30 34.5	0.0
F24K	comp=Z,69.99 24	Squaw Lake	69.99 24	Iamb	Iamb	03 30 48.0	
D25K	comp=Z,70.23 22	Kavik River	70.23 22	Iamb	Iamb	03 30 49.0	
RND	comp=Z,70.29 29	Reindeer	70.29 29	Iamb	Iamb	03 30 36.4	-0.8
RND	comp=Z,70.29 29	Reindeer	70.29 29	Iamb	Iamb	03 31 05.6	
JOF	comp=Z,70.58 31	Joensuu	70.58 31	eP	P	03 30 39.7	+0.8
ILAR	comp=Z,70.89 27	Eielson Array	70.89 27	P	P	03 30 40.0	-0.7
ILAR	comp=Z,70.89 27	Eielson Array	70.89 27	P	P	04 04 31.2	
ILAR	comp=Z,70.89 27	Eielson Array	70.89 27	LR	LR	04 04 31.2	
BMAR	comp=Z,71.26 24	Burnt Mountain	71.26 24	P	P	03 30 44.2	+1.2
ARCES	comp=Z,71.50 338	ARCES Array B	71.50 338	P	P	03 30 44.5	+0.1
ARCES	comp=Z,71.50 338	ARCES Array B	71.50 338	LR	LR	04 06 43.3	
ARCES	comp=Z,71.50 338	ARCES Array B	71.50 338	LR	LR	04 06 43.3	
SPITS	comp=Z,71.50 348	Spitsbergen Ar	71.50 348	P	P	03 30 44.1	-0.1
SPITS	comp=Z,71.50 348	Spitsbergen Ar	71.50 348	LR	LR	04 09 49.3	
I26K	comp=Z,72.31 26	Coal Creek Mtn	72.31 26	Iamb	Iamb	03 31 18.1	
J26L	comp=Z,72.37 27	Joseph Creek	72.37 27	Iamb	Iamb	03 30 51.5	
BNN	comp=Z,73.16 306	Bunyan	73.16 306	P	P	03 30 56.3	+1.2
FINES	comp=Z,73.31 300	FINES Array S	73.31 300	P	P	03 30 55.5	+0.2
FINES	comp=Z,73.31 300	FINES Array S	73.31 300	LR	LR	04 07 14.6	
KEF	comp=Z,73.66 331	Keuruu	73.66 331	eP	P	03 30 57.5	+0.2
ARBE	comp=Z,73.97 328	Arbavere					

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like KRUC, GOET, MPLH, SJES, BBLs, SNART, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like BMRD, DOU, EKA, SFJD, DY2G, etc.

RSNC 22 03:36:47.9, 0.0, 11N, 1.7, 74W, h11km, 2km, M3.1, mb3.9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like CRUC, SMRC, ARGC, etc.

TAP 22 03:52:08.9, 0.2, 241N, 121.98E, h8km, ML3.3, C

JMA 22 03:52:09.6, 0.1, 241N, 121.98E, h8km, ML3.3, C

TAIWAN REGION

ISC 22 03:52:08.9, 0.2, 242N, 122.00E, h10km, n136

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like EGS, NTC, TWB1, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like NNSB, NNSH, NNS, etc.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes LYUB Lan-yu, KNMB Chin-men Tao, AXDP Jialang.

Table with 5 columns: Code, Station Name, Azimuth, Elevation, Frequency. Includes WBSI Waikabubak, WSI Waingapu, BANI Baing, etc.

NEIC 22 04:33:12.3±1.1, 10°S, 8°11'9E±1, h12km±7km, M3.6/6, mb3.8/4, Error ellipse: s-maj=7.6km s-min=4.5km az=192.0

NNC 22 04:33:14.1±2.8, 38°53N, 68°79E, h0km, mb4.4, mpv4.1, Error ellipse: s-maj=23.2km s-min=17.1km az=168.0

ISC 22 04:33:15.3±2.7, 38°87N, 68°78E, h0km, mb4.0/2, mbmp33.78, ML3.2/6, MS3.3/5, Error ellipse: s-maj=34.9km s-min=15.7km az=177.0

ISC 22 04:33:11.4±0.6, 38°41N, 0°04'68.95E±0.05, h10km, n55, c±85/68, 4C-20, Tajikistan

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes SIMJ Simiganj, CHGR Chuyangaron, GAR Garm, etc.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, other parameters. Includes AKTO Aktuybinsk, BVAR Borovoye Array, BROS Borovoye, etc.

ISC 22 04:40:05.8±1.5, 4°10'N, 126°61E, h0km, mb4.0/7, mbmp4.0/7, Error ellipse: s-maj=17.5km s-min=17.3km az=66.0

NEIC 22 04:40:11.7±2.0, 4°17'N, 0°02'126.63E±0.10, h35km±2km, mb4.8/31, Error ellipse: s-maj=16.7km s-min=3.0km az=257.0

DJA 22 04:40:20.7±0.6, 4°14'N, 4°12'6E±1, h92km±7km, M4.4/10, mb4.4/3, ML4.4/10

ISC 22 04:40:12.2±0.5, 4°14N, 0°06'126.74E±0.07, h45km, n48, c±135/50, mb4.4/23, Talaud Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes SGSI Sangihe, TMTI Ternate, KMSI Cibinong, etc.

Error ellipse: s-maj=9.2km s-min=4.0km az=94.4 NEIC 22 04:43:19.0±2.5, 58°38N, 0°04'155.34W, 0.07, h125km±3km, Error ellipse: s-maj=6.3km s-min=5.2km az=142.0, Moment Tensor Solution. Scale 10^19Nm; Mr3.60; Mw-2.99; Mo-0.47; Mo-0.47; Mw-6.79; Mr-6.27; Fault plane solution: Ms9.840000, 1016 NP1:346.280000, 875.650000, 1.32, 470000. NP2: 9.81, 440000, 844.390000, 120.760000. Principal axes: T 9.3863, Plg43.0000, Azm297.0000; N 0.8469, Plg41.0000, Azm153.0000; P -10.2332, Plg19.0000, Azm746.0000.

NEIC 22 04:43:19.1±5.8, 32N, 155°36W, h130km, Moment Tensor Solution. Duration: 2s. Moment tensor: Scale 10^19Nm; Mr2.34; Mw-2.22; Mo-0.12; Mo-0.20; Mw-5.37; Mw-6.02; Fault plane solution: Ms8.380000, 1016 NP1:91.420000, 842.510000, 1.16, 630000. NP2:349.0000, 878.850000, 1.31, 290000. Principal axes: T 8.5631, Plg41.0000, Azm297.0000; N -0.3727, Plg40.0000, Azm159.0000; P -8.1904, Plg23.0000, Azm49.0000.

GCMT 22 04:43:19.7±0.2, 58°46N, 0°02'155.47W, 0.02, h131km±1km, Mw5.2/102, Moment Tensor Solution. s80,c105; s102,c180; Duration: 1s0. Moment tensor: Scale 10^19Nm; Mr0.24±0.02; Mw0.30±0.03; Mw0.13±0.03; Mw0.04±0.02; Mw0.63±0.01; Mw0.64±0.01; Best double couple: Mo0.955000, 1017; NP1:85.0000, 848.0000, 1.16, 000000. NP2:345.0000, 878.0000, 1.137, 000000. Principal axes: T 0.9960, Plg38.0000, Azm296.0000; N -0.0830, Plg46.0000, Azm152.0000; P -0.9130, Plg19.0000, Azm41.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

AEIC 22 04:43:19.7±2.5, 58°33N, 0°04'155.32W, 0.03, h122km±3km, mb5.2/374(NEIC), ML4.9/126(NEIC), Mw5.3/12(NEIC), Mw5.2/45(NEIC) Error ellipse: s-maj=5.8km s-min=2.5km az=184.0

NEIC 22 04:43:19.1, 58°32N, 155°36W, h129km, Error ellipse: s-maj=5.8km s-min=2.5km az=184.0

ISC 22 04:43:18.6±0.3, 58°45N, 0°03'155.36W, 0.03, h127km±2km, h126km±2km, P-P, N1216, c±143/1412, mb5.2/346, 47C-43D, Alaska Peninsula

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time, Res, ISC. Includes KYTA Katmai Vly 10, KELA Katmai Kela, KCE Katmai Mt Cerb, etc.

22d 4h

2019 JAN

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Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like KDAK, OPT, P19K, OHAK, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like O14K, SPCR, VNWF, SEW, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like K17K, K17K, M13K, etc.

RAGM Ragged Mountai	5.79	66	Pn	04 44 42.1 -0.1
K13K Kusivak Mount	5.81 311		Pn	04 44 43.4 +1.1
K13K Kusivak Mount	5.81 311	P	Pn	04 44 43.1 +0.8
K13K		S	Sn	04 45 47.8 +0.2
KAIM Kayak Island	5.81 71	P	Pn	04 44 42.6 +0.2
KAIM Kayak Island	5.81 71	P	Pn	04 44 42.8 +0.4
KAIM		S	Sn	04 45 45.9 -1.9
GOAT Goat Mountain	5.82 64		Pn	04 44 42.4 -0.1
M24K Tolsona, Glenn	5.86 47	Pn	Pn	04 44 43.5 +0.4
M24K		Sn	Sn	04 45 50.7 +1.7
M24K Tolsona, Glenn	5.86 47	P	Pn	04 44 43.8 +0.7
M24K		S	Sn	04 45 48.5 -0.4
M11K Mekoryuk	5.87 294	Pn	Pn	04 44 42.6 -0.5
M11K Mekoryuk	5.87 294	P	Pn	04 44 43.8 +0.7
M11K		S	Sn	04 45 47.6 -1.5
RND Reindeer	5.90 30	Pn	Pn	04 44 43.4 -0.2
RND Reindeer	5.90 30	P	Pn	04 44 43.4 -0.2
J14K Nanvaranak Lak	5.91 320	P	Pn	04 44 44.5 +0.9
J14K Nanvaranak Lak	5.91 320	P	Pn	04 44 44.9 +1.3
J14K		S	Sn	04 45 53.6 +3.6
ISLZ Isanotski Laza	5.93 235		Pn	04 44 43.1 -1.0
BMRM Bremner River	6.00 61	Pn	Pn	04 44 45.0 0.0
BMRM Bremner River	6.00 61	P	Pn	04 44 44.7 -0.2
BMRM		S	Sn	04 45 51.4 -0.9
I17K Unalakleet	6.04 337	Pn	Pn	04 44 47.0 +1.7
I17K Unalakleet	6.04 337	P	Pn	04 44 46.8 +1.5
I17K		S	Sn	04 45 54.2 +1.1
BPAW Bear Paw Mtn.	6.05 19	Pn	Pn	04 44 46.1 +0.5
BPAW Bear Paw Mtn.	6.05 19	P	Pn	04 44 46.6 +1.0
BPAW		S	Sn	04 45 52.3 -1.2
SLS Shishaldin Sou	6.07 236		Pn	04 44 45.4 -0.6
NICHA Nichawak Mount	6.10 58		Pn	04 44 46.3 +0.1
MCK McKinley	6.15 28	Pn	Pn	04 44 47.5 +0.5
MCK McKinley	6.15 28	P	Pn	04 44 47.4 +0.5
MCK		S	Sn	04 45 54.0 -1.9
MCK McKinley	6.15 28	P	Pn	04 44 47.5 +0.5
SUCK Suckling Halde	6.16 70		Pn	04 44 47.2 +0.2
N25K Chitina, Valde	6.25 55	Sn	Pn	04 45 57.8 -0.7
N25K Chitina, Valde	6.25 55	P	Pn	04 44 48.5 +0.1
N25K		S	Sn	04 45 56.2 -2.3
BERG Berg Lake	6.26 67		Pn	04 44 48.1 -0.3
GCSA Galena City Sc	6.36 354		Pn	04 44 51.6 +1.9
GCSA Galena City Sc	6.36 354	P	Pn	04 44 51.8 +2.0
GCSA		S	Sn	04 46 03.3 +2.3
I20K Naagdeneheel	6.39 3	P	Pn	04 44 51.6 +1.5
BWN Browne	6.40 24	Pn	Pn	04 44 50.7 +0.4
HARP HAARP	6.42 48	P	Pn	04 44 50.9 +0.4
HARP		S	Sn	04 46 02.0 -0.3
GLB Gilahina Butte	6.53 58	Pn	Pn	04 44 52.3 +0.2
VRDI Verde Repeater	6.61 60	Sn	Pn	04 46 06.2 -1.2
PAX Paxson	6.64 43	Pn	Pn	04 44 53.5 -0.1
PAX Paxson	6.64 43	P	Pn	04 46 09.0 +1.2
PAX Paxson	6.64 43	P	Pn	04 44 53.5 -0.1
PAX		S	Sn	04 46 05.7 -2.1
PAX Paxson	6.64 43	P	Pn	04 44 53.5 -0.1
PAX Paxson	6.64 43	P	Pn	04 46 03.7 +0.2
SNH Sunshine Point	6.64 70		Sn	04 46 03.3 -2.5
SNH Sunshine Point	6.64 70	Sn	Sn	04 44 56.5 +0.8
CYK Cape Yakataga	6.86 23	P	Pn	04 44 56.5 +0.1
NEA2 Nenana	6.86 234		Pn	04 44 58.9 +2.4
H17K Granite Mounta	6.86 344		Pn	04 44 58.9 +2.4
H17K Granite Mounta	6.86 344	P	Pn	04 44 58.9 +2.4
H17K		S	Sn	04 46 15.9 +2.9
H18K Honhosa River	6.88 349		Pn	04 44 58.8 +2.1
H18K Honhosa River	6.88 349	P	Pn	04 44 58.6 +1.8
H18K		S	Sn	04 46 16.0 +2.5
I21K Tanana	6.94 12		Pn	04 44 58.6 +1.1
I21K Tanana	6.94 12	P	Pn	04 44 59.1 +1.5
I21K		S	Sn	04 46 15.5 +0.5
I21K		S	Sn	04 46 15.5 +0.5
H16K Eilm	7.03 335		Pn	04 45 01.1 +2.4
H16K Eilm	7.03 335	P	Pn	04 45 01.0 +2.3
H16K		S	Sn	04 46 19.6 +2.6
H20K Anotleneega Mo	7.08 2		Pn	04 45 01.1 +1.7
H20K Anotleneega Mo	7.08 2	P	Pn	04 45 01.1 +1.7
H20K		S	Sn	04 46 19.0 +0.8
MESA MESA	7.08 70		Pn	04 44 59.9 +0.2
MESA MESA	7.08 70	P	Pn	04 45 00.2 +0.6
K24K Donnelly Dome	7.09 37	P	Pn	04 45 00.1 +0.4
K24K		S	Sn	04 46 19.1 +0.4
K24K		S	Sn	04 46 19.1 +0.4
H19K Roundabout Mou	7.13 356		Pn	04 45 01.7 +1.7
H19K Roundabout Mou	7.13 356	P	Pn	04 45 01.4 +1.4
H19K		S	Sn	04 46 21.0 +1.7
AKSA Akutan Strait	7.19 238		Pn	04 45 01.2 +0.2
HDA Harding Lake	7.21 30		Pn	04 45 00.2 -1.0
HDA		S	Sn	04 46 19.2 -2.2
MENT Mentasta	7.27 47		Pn	04 45 01.5 -0.5
MENT Mentasta	7.27 47	P	Pn	04 45 02.3 +0.3
AKGG Akutan Green G	7.28 239		Pn	04 45 01.9 -0.3
M26K Nabesna, AK	7.29 52		Pn	04 45 02.7 +0.5
M26K Nabesna, AK	7.29 52	P	Pn	04 45 02.6 +0.3
M26K		S	Sn	04 46 22.2 -1.2
M26K		S	Sn	04 46 22.2 -1.2
I23K Minto, Yukon-K	7.30 20		Pn	04 45 02.0 -0.4
I23K Minto, Yukon-K	7.30 20	P	Pn	04 45 01.9 -0.4
I23K		S	Sn	04 46 22.3 -1.2
I23K		S	Sn	04 46 22.3 -1.2
LVA Lava Point	7.33 239	Pn	Pn	04 45 02.8 0.0
H21K Meozitna Rive	7.33 8	P	Pn	04 45 04.0 +1.1
H21K Meozitna Rive	7.33 8	P	Pn	04 45 04.0 +1.1
H21K		S	Sn	04 46 23.9 -0.5
H21K		S	Sn	04 46 23.9 -0.5
RIDG Independent Ri	7.35 39		Pn	04 45 03.0 -0.1
RIDG Independent Ri	7.35 39	P	Pn	04 45 04.3 +1.1
RIDG		S	Sn	04 46 23.4 -1.5
AKRB Akutan Reef Bi	7.36 239		Pn	04 45 03.4 0.0
COLA College	7.37 26		Pn	04 45 03.0 -0.2

COLA College	7.37 26	P	Pn	04 45 03.2 -0.1
COLA		S	Sn	04 46 23.5 -1.7
COLA College	7.37 26	P	Pn	04 45 03.0 -0.2
L26K Log Cabin Wild	7.46 47	P	Pn	04 45 05.4 +0.8
L26K		S	Sn	04 46 27.9 +0.4
L26K		S	Sn	04 46 27.9 +0.4
G17K Kiwalik Mounta	7.50 343		Pn	04 45 07.7 +2.6
G17K Kiwalik Mounta	7.50 343	P	Pn	04 45 06.4 +1.2
G17K		S	Sn	04 46 30.3 +1.8
IL31 Elison Array	7.51 29	Pn	Pn	04 45 04.3 -0.9
ILAR	7.51 29	P	Pn	04 45 03.5 -1.7
ILAR		S	Sn	04 46 22.9 -5.9
ILAR		S	Sn	04 54 53.9 -0.7
G18K Tagagawik	7.63 350		Pn	04 45 08.4 +1.5
G18K Tagagawik	7.63 350	P	Pn	04 45 08.4 +1.5
G18K		S	Sn	04 46 33.0 +1.4
POKR Poker Plat Res	7.67 26	P	Pn	04 45 07.3 -0.1
POKR		S	Sn	04 46 31.2 -1.3
POKR		S	Sn	04 46 31.2 -1.3
H22K Ishlitalina Cre	7.70 12		Pn	04 45 08.8 +1.0
H22K Ishlitalina Cre	7.70 12	P	Pn	04 45 10.1 +2.3
H22K		S	Sn	04 46 33.7 +0.3
H22K		S	Sn	04 46 33.7 +0.3
G16K Koyuk River	7.71 338		Pn	04 45 10.5 +2.6
M27K Edge Creek, AK	7.74 54		Pn	04 45 09.1 +0.7
M27K		S	Sn	04 46 33.5 -0.9
M27K		S	Sn	04 46 33.5 -0.9
MTBL Makushin Table	7.74 239		Pn	04 45 07.3 -1.2
UNV Unalaska Valle	7.74 238		Pn	04 45 06.7 -1.7
UNV Unalaska Valle	7.74 238	P	Pn	04 45 07.4 -1.0
G15K Niuklu	7.75 332		Pn	04 45 10.3 +1.9
G19K Purcell Mounta	7.77 355		Pn	04 45 10.3 +1.6
G19K		S	Sn	04 46 34.7 -0.2
ANM Nome	7.78 326		Pn	04 45 11.2 +2.3
ANM Nome	7.78 326	P	Pn	04 45 11.1 +2.3
ANM Nome	7.78 326	P	Pn	04 45 11.2 +2.3
SCRK Sand Creek	7.79 40	Pn	Pn	04 45 08.6 -0.6
SCRK Sand Creek	7.79 40	P	Pn	04 45 08.9 -0.3
SCRK		S	Sn	04 46 31.6 -4.2
J25K Saicha River,	7.80 33		Pn	04 45 07.9 -1.3
J25K Saicha River,	7.80 33	P	Pn	04 45 08.5 -0.7
J25K		S	Sn	04 46 33.0 -2.9
J25K		S	Sn	04 46 33.0 -2.9
MSW Makushin Switc	7.82 239		Pn	04 45 08.3 -1.2
PCA Pinnacle	7.91 72		Pn	04 45 10.3 -0.3
PINM Pinnacle	7.91 72		Pn	04 45 11.5 +0.8
PINM		S	Sn	04 46 35.5 -3.0
O28M Mount Upton	8.03 67		Pn	04 45 13.2 +0.5
O28M Mount Upton	8.03 67	P	Pn	04 45 13.1 +0.5
O28M		S	Sn	04 46 39.8 -2.1
SPIA Saint Paul Isl	8.06 267		Pn	04 45 12.3 -0.3
L27K Beaver Creek,	8.07 49		Pn	04 45 13.5 +0.6
L27K		S	Sn	04 46 41.5 -0.9
BCAR Bear Creek A	8.09 49	Pn	Pn	04 45 13.1 0.0
G21K Allakaket	8.14 5	P	Pn	04 45 14.9 +1.2
G21K Allakaket	8.14 5	P	Pn	04 45 14.9 +1.2
G21K		S	Sn	04 46 44.0 -0.1
YUK3 Moose Creek	8.15 60		Pn	04 45 14.2 +0.1
YUK3		S	Sn	04 46 41.9 -2.6
BVCY Beaver Creek	8.19 55		Pn	04 45 15.1 +0.6
BVCY Beaver Creek	8.19 55	P	Pn	04 45 15.4 +1.0
BVCY		S	Sn	04 46 44.1 -1.2
H24K Noodor Dome	8.20 22		Pn	04 45 13.5 -1.0
H24K Noodor Dome	8.20 22	P	Pn	04 45 13.8 -0.7
H24K		S	Sn	04 46 42.7 -2.6
H24K		S	Sn	04 46 42.7 -2.6
J26L Joseph Creek	8.28 38		Pn	04 45 15.1 -0.5
J26L Joseph Creek	8.28 38	P	Pn	04 45 15.8 +0.1
J26L		S	Sn	04 46 43.8 -3.7
J26L		S	Sn	04 46 43.8 -3.7
YUK8 Steele Glacier	8.34 63		Pn	04 45 17.6 +0.9
YUK8		S	Sn	04 46 47.7 -1.6
F18K Selawik	8.42 348		Pn	04 45 18.8 +1.4
F18K Selawik	8.42 348	P	Pn	04 45 18.6 +1.2
PRP Porcupine Dome	8.46 29		Pn	04 45 16.6 -1.6
PRP		S	Sn	04 46 47.8 -4.0
F17K Baldwin Pennin	8.47 344		Pn	04 45 19.9 +1.8
F17K Baldwin Pennin	8.47 344	P	Pn	04 45 19.3 +1.2
F17K		S	Sn	04 46 54.3 +2.4
F15K North Star Dit	8.48 333		Pn	04 45 20.1 +2.7
F15K North Star Dit	8.48 333	P	Pn	04 45 20.2 +2.0
F15K		S	Sn	04 46 46.3 +2.1
F19K Shalercuk Mo	8.49 354		Pn	04 45 20.0 +1.6
F19K Shalercuk Mo	8.49 354	P	Pn	04 45 20.1 +1.6
F19K		S	Sn	04 46 53.9 +1.5
F20K Avaraart Lake	8.64 359		Pn	04 45 22.2 +1.9
F20K Avaraart Lake	8.64 359	P	Pn	04 45 21.9 +1.6
G23K Bananza Creek	8.65 14		Pn	04 45 20.0 -0.6
G23K		S	Sn	04 46 55.2 -1.0
G22K Bettles	8.69 10		Pn	04 45 22.1 +1.1
G22K Bettles	8.69 10	P	Pn	04 45 21.2 +0.2
G22K		S	Sn	04 46 56.4 -0.7
F14K Arctic Creek	8.7			

22d 4h

D20K	Etivluk River	10.32	357	P	Pn	04 45 45.0 +2.0
D20K	baz=176				S	04 47 39.7 +3.0
SKAG	Skagway	10.39	76	Pn	Pn	04 45 44.6 +0.7
SKAG	Skagway	10.39	76	P	Pn	04 45 45.6 +1.6
SKAG	baz=273,SNR=57				S	04 47 36.9 -1.4
G27K	Doyon Strip	10.47	31	P	Pn	04 45 44.3 -0.7
G27K	baz=223				S	04 47 36.0 -4.2
D22K	Ayikyak River	10.54	5	P	Pn	04 45 46.0 +0.1
D22K	baz=188,SNR=42				S	04 47 42.4 +0.5
TOLK	Toolik Lake Re	10.55	12	P	Pn	04 45 45.7 -0.4
TOLK	baz=197				S	04 47 40.9 -1.2
TOLK	baz=197				S	04 47 40.9 -1.2
F26K	Sheenjek River	10.56	24	P	Pn	04 45 45.3 -0.9
F26K	baz=214				S	04 47 42.6 +0.2
C18K	Utukok River	10.56	348	P	Pn	04 45 47.8 +1.6
C18K	baz=163				S	04 47 44.3 +1.8
I29M	Ogilvie Camp,	10.58	42	Pn	Pn	04 45 46.4 -0.1
I29M	Ogilvie Camp,	10.58	42	P	Pn	04 45 46.5 -0.1
I29M	baz=237,SNR=26				S	04 47 45.3 +2.3
WHY	Whitehorse	10.61	69	Pn	Pn	04 45 47.5 +0.4
WHY	Whitehorse	10.61	69	P	Pn	04 45 48.5 +1.4
WHY	baz=267,SNR=56				S	04 47 39.7 -4.3
E25K	Arctic Village	10.64	20	Pn	Pn	04 45 46.2 -1.1
E25K	Arctic Village	10.64	20	P	Pn	04 45 45.9 -1.4
E25K	baz=209,SNR=74				S	04 47 41.9 -2.5
C17K	DeLong Mountai	10.64	344	P	Pn	04 45 47.5 +0.2
C17K	baz=157				S	04 47 49.2 +4.8
MAYO	Mayo, Yukon	10.73	53	P	Pn	04 45 49.3 +0.8
C21K	Knifeflame Rid	10.76	1	P	Pn	04 45 50.2 +1.4
C21K	baz=182				S	04 47 49.2 +2.1
D23K	Nanushuk River	10.76	9	P	Pn	04 45 48.9 0.0
D23K	baz=193,SNR=32				S	04 47 51.1 +4.0
SIT	Sitka	10.79	89	Pn	Pn	04 45 47.3 -2.0
SIT	Sitka	10.79	89	P	Pn	04 45 48.8 -0.5
SIT	baz=286				S	04 47 45.3 -2.7
SIT	Sitka	10.79	89	P	Pn	04 45 47.3 -2.0
C16K	Lisburne Hills	10.81	340	P	Pn	04 45 51.0 +1.5
C16K	baz=151				S	04 47 52.6 +4.1
J30M	Hart River	10.94	48	P	Pn	04 45 52.6 +1.3
R32K	Eaglecrest	10.94	82	P	Pn	04 45 52.0 +0.6
M31M	Drury Creek, Y	11.03	61	P	Pn	04 45 53.0 +0.4
M31M	baz=260,SNR=34				S	04 47 53.5 -0.5
H29M	Whitestone	11.06	38	P	Pn	04 45 52.9 +0.1
H29M	baz=233				S	04 47 53.2 -1.3
S32K	Killisnoo	11.08	86	P	Pn	04 45 53.5 +0.4
D24K	Happy Valley	11.12	12	P	Pn	04 45 52.9 -0.8
P32M	Atlin	11.20	75	P	Pn	04 45 53.9 -1.0
P32M	baz=274,SNR=19				S	04 47 56.1 -2.0
I30M	Mount Dempster	11.21	45	P	Pn	04 45 54.7 -0.3
B18K	Kokolik River	11.31	348	P	Pn	04 45 55.8 -0.3
B18K	baz=163				S	04 48 00.7 +0.2
FARO	Faro, Yukon	11.52	62	P	Pn	04 45 59.6 +0.6
FARO	baz=261,SNR=46				S	04 48 05.2 -0.5
N32M	Quiet Lake	11.52	67	P	Pn	04 45 58.8 -0.3
N32M	baz=266				S	04 48 03.2 -2.6
E27K	Coleen River	11.53	26	P	Pn	04 45 56.9 -2.1
F28M	Old Crow	11.53	31	P	Pn	04 45 57.5 -1.6
F28M	baz=225,SNR=50				S	04 48 08.0 +2.1
G29M	Pine Creek	11.59	36	P	Pn	04 45 58.2 -1.7
D25K	Kavik River	11.59	16	P	Pn	04 45 57.8 -2.2
D25K	baz=204,SNR=26				S	04 48 07.2 -0.2
P33M	Teslin, Yukon	11.63	72	P	Pn	04 45 59.6 -0.9
P33M	baz=271,SNR=28				S	04 48 07.9 -0.6
C24K	Franklin Bluff	11.68	12	P	Pn	04 45 59.1 -1.9
EPYK	Eagle Plains	11.69	39	P	Pn	04 46 00.3 -0.9
EPYK	baz=236				S	04 48 06.4 -3.3
B22K	Teshkuk Lake	11.97	3	P	Pn	04 46 04.0 -0.8
Q32M	Nakina River	12.00	78	P	Pn	04 46 02.5 -0.3
Q32M	baz=278,SNR=12				S	04 48 15.3 -2.4
G30M	toAch Zraii Nji	12.20	38	P	Pn	04 46 06.1 -1.8
H31M	Peel River	12.23	44	P	Pn	04 46 08.2 -0.2
U33K	Whale Pass	12.24	91	Pn	Pn	04 46 07.6 -0.8
U33K	Whale Pass	12.24	91	P	Pn	04 46 07.4 -1.0
U33K	baz=290,SNR=8.9				S	04 48 21.7 -1.4
U33K	baz=290				S	04 48 21.7 -1.4
C27K	Jago River	12.29	19	P	Pn	04 46 08.0 -1.0
E28M	Babbage River	12.34	28	P	Pn	04 46 08.3 -1.4
C26K	Camden Bay	12.35	17	P	Pn	04 46 08.7 -1.1
CRAQ	Craig	12.48	94	P	Pn	04 46 08.3 -3.2
D27M	Malcolm River	12.51	24	P	Pn	04 46 09.8 -2.1
WRAK	Wrangell Islan	12.54	89	P	Pn	04 46 12.6 +0.2
WRAK	Wrangell Islan	12.54	89	P	Pn	04 46 09.8 -2.6
WRAK	baz=289,SNR=6.1				S	04 48 29.7 -0.7
E29M	Blow River	12.61	31	P	Pn	04 46 11.6 -1.5
E29M	baz=226				S	04 48 30.4 -1.4
A22K	Sinclair Lake	12.61	1	P	Pn	04 46 10.9 -2.2
A22K	baz=181				S	04 48 31.5 -0.3
R33M	Jennings River	12.62	75	P	Pn	04 46 12.1 -1.3

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R33M	baz=276				S	04 48 30.6 -1.8
F30M	Barric River	12.71	36	P	Pn	04 46 12.3 -2.2
S34M	Telegraph Cree	12.78	82	P	Pn	04 46 14.2 -1.2
S34M	baz=283,SNR=15				S	04 48 34.0 -2.0
G31M	Satah River	12.81	40	Pn	Pn	04 46 15.5 -0.2
G31M	Satah River	12.81	40	P	Pn	04 46 14.3 -1.4
G31M	baz=239				S	04 48 39.7 +3.1
A21K	Base Lake	12.94	358	P	Pn	04 46 16.4 -1.0
A21K	baz=177,SNR=45				S	04 48 41.1 +1.3
A21K	baz=177				S	04 48 41.1 +1.3
D28M	Stokes Point	13.08	27	P	Pn	04 46 18.9 -0.2
D28M	baz=222				S	04 48 43.8 +0.7
DLBC	Dease Lake	13.24	79	P	Pn	04 46 21.7 +0.2
DLBC	comp=N,24nm,0.4s,ba				S	04 48 42.9 -4.5
DLBC	comp=N,14nm,0.6s,ba				LR	04 52 14.5
DLBC	comp=N,381nm,18.4s,ba				ScP	04 50 02.6 +0.5
DLBC	comp=N,11nm,0.7s,ba				ScP	04 46 22.5 +1.0
DLBC	Dease Lake	13.24	79	P	Pn	04 46 22.6 -0.8
DLBC	baz=281,SNR=36				S	04 46 20.2 -1.4
F31M	Tsighehtic	13.26	38	P	Pn	04 48 47.1 -0.4
F31M	baz=238				S	04 46 22.4 -0.1
V35K	Ketchikan	13.32	93	P	Pn	04 48 46.9 -2.3
V35K	baz=293				S	04 48 46.9 -2.3
T35M	Bob Quinn	13.47	85	Pn	Pn	04 46 26.2 +1.7
T35M	Bob Quinn	13.47	85	P	Pn	04 46 26.2 +1.7
T35M	baz=287,SNR=24				S	04 48 55.5 +2.6
WTLY	Watson Lake, Y	13.64	72	Pn	Pn	04 46 28.5 +1.9
WTLY	Watson Lake, Y	13.64	72	P	Pn	04 46 28.1 +1.5
WTLY	baz=275,SNR=39				S	04 49 00.7 +3.7
INK	Inuvik	13.81	35	Pn	Pn	04 46 28.2 -0.4
INK	Inuvik	13.81	35	P	Pn	04 46 27.9 -0.7
INK	comp=N,45nm,0.6s,ba				S	04 49 10.4 -3.4
INK	comp=N,101nm,1.1s,ba				LR	04 52 34.1
INK	comp=N,207nm,18.6s,ba				LR	04 55 02.3 -0.4
INK	comp=N,12nm,0.6s,ba				ScP	04 46 27.2 -1.4
INK	baz=235,SNR=87				S	04 49 09.8 -4.1
INK	baz=295				S	04 46 28.2 -0.4
U35K	Hyder	13.94	90	P	Pn	04 46 30.5 +0.1
U35K	Hyder	13.94	90	P	Pn	04 46 30.5 +0.2
U35K	baz=291				S	04 49 04.4 +0.4
TOAD	Toad River Com	15.62	76	P	P	04 46 53.6 +0.6
TOAD	baz=282,SNR=20				S	04 49 46.0 +1.5
KOTAN	Kotanelee Air	16.00	71	P	P	04 46 58.2 +1.1
KOTAN	baz=278,SNR=111				S	04 49 53.5 -0.1
KOTAN	baz=278				S	04 46 59.7 +0.9
WRGLY	Wrigley	16.15	59	P	P	04 47 05.3 +1.0
BBB	Bella Bella	16.64	100	P	P	04 50 06.8 -2.4
BBB	comp=N,56nm,1.2s,ba				S	04 52 48.9
BBB	comp=N,16nm,0.8s,ba				LR	04 47 11.1 -0.4
BBB	comp=N,186nm,18.2s,ba				LR	04 47 10.3 -1.2
C36M	Paulatuk	17.32	38	P	P	04 50 21.4 -3.5
C36M	Paulatuk	17.32	38	P	P	04 50 20.3 -0.9
C36M	Paulatuk	17.32	38	P	P	04 50 39.0 -4.0
C36M	baz=247,SNR=120				S	04 47 35.1 +0.7
C36M	baz=247				S	04 47 34.4 0.0
A36M	Sachs Harbour	18.21	30	P	P	04 47 44.0 +0.7
A36M	baz=238,SNR=95				S	04 55 15.9 +0.1
BILL	Billbino	19.41	315	P	P	04 47 44.0 +0.7
BILL	Billbino	19.41	315	P	P	04 48 25.7 +1.6
YKA	Yellowknife Ar	20.23	61	P	P	04 48 27.4 +1.7
YKA	comp=N,157nm,0.7s,ba				ScP	04 57 02.8
YKA	comp=N,11nm,0.7s,ba				ScP	04 48 30.2 +2.1
YKA	comp=N,157nm,0.7s,ba				ScP	04 48 33.0
YKA	Yellowknife Ar	20.23	61	P	P	04 47 49.0 +1.5
CLRS	Cowichan Lake	20.69	104	P	P	04 47 50.8 +1.6
LLLB	Lillooet	20.76	98	P	P	04 47 54.9 +1.8
PGC	Sidney	21.14	104	P	P	04 48 01.6 +1.8
PGC	Neilton Lookou	21.75	107	P	P	04 48 06.3 +2.4
GNW	Green Mountain	22.17	105	P	P	04 48 12.1 +1.5
D05A	Enumclaw	22.84	105	P	P	04 48 17.0 +2.7
LON	Longmire	23.23	106	P	P	04 48 25.7 +1.6
LON	Longmire	23.23	106	P	P	04 48 28.7
HOOD	Mount Hood Mea	24.29	110	P	P	04 48 27.4 +1.7
E07A	Sunnyside	24.35	104	Iamb	Iamb	04 57 02.8
H04A	Detroit Lake	24.48	110	P	P	04 48 30.2 +2.1
NEW	Newport	24.66	98	LR	LR	04 48 33.0
NEW	comp=N,254nm,21.2s,ba				LR	04 48 33.0
J01E	Myrtle Point	24.76	114	P	P	04 48 29.0 +0.8
J01E	comp=N,157nm,0.7s,ba				Iamb	04 48 30.9 +1.8
F07A	Phinny Hill Vi	24.77	105	P	P	04 48 32.0 +2.9
F07A	Did Farm, El	24.80	103	P	P	04 48 33.0 +2.5
G06A	Cardon Farm,	24.86	107	P	P	04 48 33.9 +0.5
I04A	Terrick Farm,	25.02	111	P	P	04 48 40.8 +1.3
SEY	Seymchan	25.37	302	eP	eP	04 48 42.1
SEY	comp=N,111nm,1.0s				max	04 48 42.4 +2.9
PET	Petropavlovsk	26.03	278	P	P	04 48 46.7 +3.4
PET	comp=N,146nm,1.4s				Iamb	04 57 22.8
PET	Petropavlovsk	26.03	278	eP	eP	04 48 46.7 +3.4
PET	comp=N,93nm,1.3s				max	04 48 43.4 -0.2
YBH	Yreka Blue Hor	26.43	115	P	P	04 48 42.8 -0.8
YBH	Yreka Blue Hor	26.43	115	LR	LR	04 55 32.5 -0.3
YBH	comp=N,272nm,19.7s,ba				ScP	04 48 50.4 +1.0
YBH	Yreka Blue Hor	26.43	115	P	P	04 48 51.8
PEA0B	Petropavlovsk-	26.49	279	P	P	04 48 50.6 +1.2
PEA0B	comp=N,64nm,1.1s				Iamb	04 48 50.4 +1.0
PEA0B	Petropavlovsk-	26.49	279	P	P	04 48 43.4 -0.2
PEA0B	comp=N,64nm,1.1s				max	04 48 42.8 -0.8
PETK	Petropavlovsk-	26.49	279	P	P	

Table with columns: UALR, UALR, UALR, PVMO, CGM3, HHAR, CCM, MIAR, FVM, PLAL. Includes station names, coordinates, and time/res data.

IDC 22:04:55:58.4-8.8:55.81N:162.06W, h75km, 70km, mb3.3/4, mbmp3.5/5, ML3.2/1, Error ellipse: s-maj=60.0km s-min=34.2km az=39.0

NEIC 22:04:56:08.9-1.6:55.92N:0.07:161.24W:0.0/4, h175km, 6km, ML3.5/30, ML3.4(AEIC), Error ellipse: s-maj=11.2km s-min=1.0km az=161.0

AEIC 22:04:56:11.3-2.7:55.91N:0.07:161.26W:0.1/0, h164km, 5km, Error ellipse: s-maj=11.0km s-min=6.9km

Main table listing seismic stations (S12K, S12K, S12K, etc.) with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals.

IDC 22:05:02:26.4-1.3:12.16N:94.98E, h0km, mb3.5/6, mbmp3.5/7, ML3.9/1, Error ellipse: s-maj=50.9km s-min=20.6km az=58.0

Table listing seismic events: ISC 22:05:02:29.6-1.3, 12.22N:0.2:95.0E:0.2, h21km, n7=0#43/7, mb3.5/6, Andaman Islands region.

MOS 22:05:10:00.6-1.0:9.98S:119.15E, h10km, mb6.3/78, MS6.3/30, Error ellipse: s-maj=8.7km s-min=4.5km

IDC 22:05:10:00.5-0.3:10.08S:119.07E, h0km, mb5.6/34, mbmp5.6/39, ML5.0/5, MS6.3/65, Error ellipse: s-maj=15.3km s-min=9.7km az=73.0

BUI 22:05:10:02.4:10.38S:119.17E, h30km, mb6.5/90, mb6.0/96, MS6.6/99, MS7.6/98

DJA 22:05:10:02.9:0.5:10.1E:11.9E, h16km, 4km, M6.4/142, Mb6.7/132, mb6.1/142, ML6.7/26, Mw6.4/57

NEIC 22:05:10:02.7:10.43S:119.05E, h17km, Mw(mB)5.5/132, Mw(Mwp)6.3/127, Mw(Mw)6.3/127

ISC-PP 22:05:10:03.5:10.14S:119.04E, h18km, Moment Tensor Solution: M=64 Moment tensor: Scale 1018Nm

NEIC 22:05:10:03.5:10.15S:119.24E, h18km, Moment Tensor Solution: Duration: 7.7 Moment tensor: Scale 1018Nm

IPGP 22:05:10:03.0:10.47S:119.03E, h15km, Mw6.6, Fault plane solution: NP1: 282.00000, 816.00000, 104.00000

NEIC 22:05:10:03.5:2.7:10.42S:0.05:119.02E:0.0, h24km, 1km, mb6.1/208, Ms 20.6, 4/858, Mw6.6/360, Mw6.6/346, Error ellipse: s-maj=10.3km s-min=6.5km az=225.0

GCMT 22:05:10:08.5:0.0:10.37S:119.07E, h19km, Mw6.4/173, Moment Tensor Solution: s173.c425; s168.c736; Duration: 4.0 Moment tensor: Scale 1018Nm

ISC 22:05:10:05.2:0.3:10.29S:0.03:119.13E:0.0, h35km, 1km, h36km, pp-P, N1829, c28/1701, mb6.0/265, MS6.4/554, 149C-25D, Sumba region

Main table listing seismic stations (WBSI, WBSI, WBSI, etc.) with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals.

Main table listing seismic stations (SMRI, SMRI, SMRI, etc.) with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residuals.

Table with columns: Station Name, Frequency, Class, Mode, Power, and Date/Time. Includes stations like Sitkinak Islan, Karluk, Talatina, Manisa, etc.

Table with columns: Station Name, Frequency, Class, Mode, Power, and Date/Time. Includes stations like Knifeflake Rid, Spurr Chakacha, Allakaket, etc.

Table with columns: Station Name, Frequency, Class, Mode, Power, and Date/Time. Includes stations like Palmer, Milto, Yukon-K, DOPRA, etc.

Table with columns: ID, Name, Date, Time, Status, and various performance metrics. Includes entries like G26K Porcupine River, SCRK Sand Creek, J26L Joseph Creek, etc.

Table with columns: ID, Name, Date, Time, Status, and various performance metrics. Includes entries like EPYK Eagle Plains, K29M Barlow Dome, G30M Aach Zraii Nji, etc.

Table with columns: ID, Name, Date, Time, Status, and various performance metrics. Includes entries like NC602 comp=Z,2um,4.0s, N32M Quiet Lake, A36M Saeh Harbour, etc.

EYMN	Ely	134.48	29	IAMS_20	IAMS_20	06 39 50.5	
ECSD	EROS Data Cent	134.53	36	IAMS_20	IAMS_20	06 39 59.4	
HPIG	Lajitas Array	134.70	62	IAMS_20	IAMS_20	06 37 30.2	
MACI	Morro de la Ar	134.77	300	IAMS_20	IAMS_20	06 40 55.4	
BGNE	Belgrad	134.91	40	PKPdf	05 29 18.8	-2.1	
CBKS	Cedar Bluff	135.18	44	IAMS_20	IAMS_20	06 22 45.6	
SCHO	Schefferville	135.32	5	PKP	05 29 21.6	+0.3	
SCHO	comp=2.5,5m,0.6s,baz=257,slo	7.3	SNR=8.5	SKPbc	05 32 52.8	-1.1	
AMTX	Amarillo	135.51	50	IAMS_20	IAMS_20	06 25 02.0	
L34A	Svensden Farm	135.70	38	IAMS_20	IAMS_20	06 40 22.6	
SPMN	Marine on St.	135.71	32	IAMS_20	IAMS_20	06 36 19.2	
TXAR	Lajitas Array	135.81	58	PKHKP	05 29 12.8		
TXAR	comp=2.1,6m,0.8s,baz=244,slo	7.3	SNR=8.5	SKPbc	05 32 56.5	-0.6	
R32A	Long Quarter	136.08	44	IAMS_20	IAMS_20	06 34 45.2	
I37A	Lemond, Waseca	136.18	34	IAMS_20	IAMS_20	06 27 47.9	
N35A	Tabor	136.78	39	IAMS_20	IAMS_20	06 36 58.4	
OK038	West end E0370	136.98	46	IAMS_20	IAMS_20	06 28 55.5	
KSU1	Kansas State U	137.14	42	IAMS_20	IAMS_20	06 37 48.1	
APMT	Aspermont	137.31	51	PKPdf	05 29 20.9	-4.7	
CROK	Carrier	137.51	46	IAMS_20	IAMS_20	06 29 21.4	
F42A	Maple Grove Fa	137.68	28	IAMS_20	IAMS_20	06 39 27.5	
WMOK	Wichita MOUNTA	137.74	49	IAMS_20	IAMS_20	06 26 27.0	
I40A	Norwalk	137.76	32	IAMS_20	IAMS_20	06 31 27.5	
CMLA	Cha de Macela	138.11	317	IAMS_20	IAMS_20	06 40 51.1	
OK029	Liberty Lake	138.22	47	IAMS_20	IAMS_20	06 41 32.3	
ZAIG	Zacatecas	138.29	67	IAMS_20	IAMS_20	06 25 51.5	
FNO	Franklin	138.52	47	IAMS_20	IAMS_20	06 39 21.1	
OK031	S. Brethren Rd	138.59	46	IAMS_20	IAMS_20	06 38 46.9	
OK052	Battle Ridge R	138.59	46	IAMS_20	IAMS_20	06 39 16.0	
JFWS	Jewell Farm	138.62	33	IAMS_20	IAMS_20	06 43 08.5	
JCT	Junction City	138.63	55	IAMS_20	IAMS_20	06 44 51.8	
I42A	Draeger Farm,	138.64	31	IAMS_20	IAMS_20	06 44 24.7	
PAGU	Aguaiava, Azore	138.66	319	eLQ	06 42 52.5		
L40A	Anamosa	138.66	35	IAMS_20	IAMS_20	06 43 57.7	
H43A	Windswept, Lux	138.78	29	IAMS_20	IAMS_20	06 39 53.4	
E46A	Sault Ste Mari	138.87	25	IAMS_20	IAMS_20	06 43 20.3	
DEOK	Depew	138.88	46	IAMS_20	IAMS_20	06 25 24.7	
W35A	Tecumseh	138.94	47	IAMS_20	IAMS_20	06 44 04.5	
FW03	Perrin-Whitt E	139.00	51	IAMS_20	IAMS_20	06 43 12.4	
FW07	Weatherford	139.36	51	IAMS_20	IAMS_20	06 39 43.8	
ROSA	Rosais	139.37	320	eLQ	06 42 40.6		
FW06	Azle	139.42	51	IAMS_20	IAMS_20	06 38 35.3	
L42A	Oliver, Polo	139.56	34	IAMS_20	IAMS_20	06 45 30.3	
PICO	Pico	139.61	319	eLQ	06 42 43.9		
833A	Chaparral WMA,	139.69	58	IAMS_20	IAMS_20	06 44 58.0	
833A	Chaparral WMA,	139.69	58	PKIKP	05 29 30.3	+0.2	
CALLA	Caldera	139.74	320	eLQ	06 42 46.5		
N41A	Hairden Midland	139.75	36	IAMS_20	IAMS_20	06 44 23.7	
K43A	Burlington	139.78	32	IAMS_20	IAMS_20	06 40 43.0	
VLD0	Val d'Or	139.80	17	IAMS_20	IAMS_20	06 41 27.9	
I45A	Fountain	139.84	29	IAMS_20	IAMS_20	06 42 46.3	
GLMI	Graying	139.97	26	IAMS_20	IAMS_20	06 45 17.4	
MOIG	Morella	140.04	72	IAMS_20	IAMS_20	06 26 44.1	
435B	Jarell	140.29	54	IAMS_20	IAMS_20	06 28 36.7	
L43B	Jarell	140.29	54	PKIKP	05 29 30.6	-0.6	
445A	Lake County Fo	140.37	32	IAMS_20	IAMS_20	06 45 31.7	
L44A	Lake County Fo	140.37	32	PKIKP	05 29 30.9	0.0	
HHAR	Hobbs	140.44	44	IAMS_20	IAMS_20	06 30 28.6	
ICQ	Pointe Anglais	140.53	7	IAMS_20	IAMS_20	06 40 40.6	
HQIL	Hanson Quarry	140.67	32	IAMS_20	IAMS_20	06 46 23.7	
HDIL	Hopedale	140.75	35	IAMS_20	IAMS_20	06 43 34.9	
M44A	Midewin, Midew	140.86	33	IAMS_20	IAMS_20	06 46 05.8	
DRLN	Deer Lake	141.05	356	IAMS_20	IAMS_20	06 36 20.1	
MGMO	Mountain Grove	141.06	41	IAMS_20	IAMS_20	06 45 41.0	
J47A	Summer	141.11	28	IAMS_20	IAMS_20	06 40 37.9	
237A	Washetta, Mont	141.17	51	IAMS_20	IAMS_20	06 28 01.9	
CCM	Cathedral Cave	141.19	40	PKPpre	05 29 27.4		
CCM	Cathedral Cave	141.19	40	IAMS_20	IAMS_20	06 44 06.0	
CCM	Cathedral Cave	141.19	40	PKIKP	05 29 27.4	-5.1	
P43A	Skags, Pawnee	141.22	36	IAMS_20	IAMS_20	06 45 58.7	
L46A	Eue Klaine	141.32	31	IAMS_20	IAMS_20	06 44 40.7	
LDAQ	Lac Daran	141.44	11	IAMS_20	IAMS_20	06 41 51.1	
SLM	Saint Louis	141.45	38	IAMS_20	IAMS_20	06 46 29.8	
I49A	Point Hope	141.45	26	IAMS_20	IAMS_20	06 45 19.5	
MIAR	Mount Ida	141.60	46	IAMS_20	IAMS_20	06 40 29.7	
FVM	French Village	141.74	39	IAMS_20	IAMS_20	06 46 39.6	
T42A	Van Buren	141.90	41	IAMS_20	IAMS_20	06 46 54.1	
UNM	Universidad Na	141.96	72	IAMS_20	IAMS_20	06 22 34.0	
Q44A	Meyer Farm, W	142.00	37	IAMS_20	IAMS_20	06 47 17.3	
HKT	Hockley	142.01	54	IAMS_20	IAMS_20	06 42 23.0	
LMQ	La Malbaie	142.01	10	IAMS_20	IAMS_20	06 43 28.1	
SFIN	Lafayette	142.08	33	IAMS_20	IAMS_20	06 47 29.1	
NATX	Nacogdoches	142.15	51	IAMS_20	IAMS_20	06 42 02.2	
X40A	Basin Creek Fa	142.16	45	IAMS_20	IAMS_20	06 38 23.3	
L48A	N Adams	142.29	29	IAMS_20	IAMS_20	06 46 26.2	
TRQ	Mont Tremblant	142.33	16	IAMS_20	IAMS_20	06 41 33.1	
UALR	University of	142.34	45	PKPdf	05 29 32.5	-2.2	
UALR	comp=2.8m,22.0s						

WLAR	White Oak Lake	142.37	47	IAMS_20	IAMS_20	06 42 11.1	
AAM	Ann Arbor	142.38	28	IAMS_20	IAMS_20	06 42 21.4	
LCAR	Lake Charles	142.42	42	PKPdf	05 29 31.2	-3.5	
LCAR	comp=2.9m,20.0s						
N47A	Urbana	142.46	31	IAMS_20	IAMS_20	06 47 27.9	
K50A	comp=2.10m,20.0s	142.47	27	IAMS_20	IAMS_20	06 41 32.7	
PBMO	Poplar Bluff	142.47	41	IAMS_20	IAMS_20	06 47 24.2	
P46A	Red Bluff	142.56	34	IAMS_20	IAMS_20	06 42 23.7	
CGM3	Cape Girardeau	142.64	39	IAMS_20	IAMS_20	06 47 18.5	
SIUC	Southern Illin	142.65	38	IAMS_20	IAMS_20	06 42 09.7	
OLLIL	Olney	142.65	36	IAMS_20	IAMS_20	06 47 46.5	
D62A	Allapoint, All	142.68	9	IAMS_20	IAMS_20	06 43 49.7	
Z41A	Richland Creek	142.81	47	IAMS_20	IAMS_20	06 43 36.8	
BATG	Bathurst New B	142.87	6	IAMS_20	IAMS_20	06 34 56.6	
PARMO	Parma	142.97	40	IAMS_20	IAMS_20	06 45 57.4	
HBAR	Harrisburg	143.05	42	IAMS_20	IAMS_20	06 28 24.5	
PVMO	Portageville	143.16	40	IAMS_20	IAMS_20	06 45 51.4	
N9MA	Columbus Grove	143.19	30	IAMS_20	IAMS_20	06 32 33.1	
O48B	Farmland	143.20	32	IAMS_20	IAMS_20	06 48 05.4	
O48B	Farmland	143.20	32	PKIKP	05 29 37.0	+0.9	
CCAR	Cane Creek	143.20	45	IAMS_20	IAMS_20	06 43 15.0	
BLO	Bloomington	143.25	34	IAMS_20	IAMS_20	06 43 21.0	
M50A	Fremont	143.37	28	IAMS_20	IAMS_20	06 45 38.6	
SACV	Santiago Island	143.37	281	IAMS_20	IAMS_20	06 30 02.4	
USIN	University of	143.42	37	IAMS_20	IAMS_20	06 47 59.8	
CPUP	Portageville	143.44	185	PKPdf	05 29 35.6	-1.3	
CPUP	Villa Florida	143.44	185	PKHKP	05 29 29.5		
CPUP	comp=2.0,4nm,0.4s,baz=196,slo	4.9	SNR=3.1	PKP	05 29 35.8	-1.1	
T45A	Paducah	143.49	39	IAMS_20	IAMS_20	06 40 33.8	
LNXT	Lenox	143.49	41	IAMS_20	IAMS_20	06 42 45.0	
GLAT	Glass	143.51	40	IAMS_20	IAMS_20	06 42 04.7	
P48A	Milroy	143.64	33	IAMS_20	IAMS_20	06 46 15.2	
O49A	Covington	143.67	31	IAMS_20	IAMS_20	06 45 15.8	
HDBT	Hernando Brdge	143.68	42	IAMS_20	IAMS_20	06 48 13.4	
HALT	Halls	143.70	41	IAMS_20	IAMS_20	06 45 19.6	
UTMT	University of	143.74	40	IAMS_20	IAMS_20	06 48 35.4	
MET	Memphis-Engin	143.78	42	IAMS_20	IAMS_20	06 48 35.0	
LONY	Lake Onoda	143.80	17	IAMS_20	IAMS_20	06 46 39.0	
FRNY	Flat Rock	143.87	15	IAMS_20	IAMS_20	06 43 38.7	
P49A	Miami Univ, Etc	143.96	32	IAMS_20	IAMS_20	06 47 49.6	
F64A	Sherman	143.97	9	IAMS_20	IAMS_20	06 36 10.0	
J55A	Hilton	143.98	21	IAMS_20	IAMS_20	06 45 10.1	
M52A	Chesterland	144.03	27	IAMS_20	IAMS_20	06 44 45.8	
WCI	Wyandotte Cave	144.03	35	PKPdf	05 29 36.0	+0.5	
WCI	Wyandotte Cave	144.03	35	IAMS_20	IAMS_20	06 44 11.9	
WCI	Wyandotte Cave	144.03	35	PKIKP	05 29 36.0	+0.5	
N51A	Ashland	144.06	28	IAMS_20	IAMS_20	06 47 20.9	
G62A	West Eustis	144.22	12	IAMS_20	IAMS_20	06 39 32.5	
VAO	Valinhos	144.22	202	IAMS_20	IAMS_20	06 32 30.4	
ACSO	Alum Creek Sta	144.31	30	IAMS_20	IAMS_20	06 33 17.6	
LMN	Caledonia Moun	144.40	5	IAMS_20	IAMS_20	06 44 16.9	
T47A	Sharon Grove	144.40	37	IAMS_20	IAMS_20	06 44 16.9	
ALLY	Alphen, Colle	144.46	25	IAMS_20	IAMS_20	06 48 36.1	
J57A	Williamstown	144.47	19	IAMS_20	IAMS_20	06 43 48.9	
NCB	Newport	144.50	17	IAMS_20	IAMS_20	06 40 52.4	
WVT	Waverly	144.52	39	PKPbc	05 29 37.8	+0.7	
WVT	comp=2.7m,20.0s						
WVT	Waverly	144.52	39	PKIKP	05 29 37.8	-0.7	
R49A	Shelbyville	144.62	34	IAMS_20	IAMS_20	06 46 36.2	
H62A	Milan	144.70	13	IAMS_20	IAMS_20	06 33 57.4	
G65A	Princeton	144.74	8	IAMS_20	IAMS_20	06 45 37.1	
LBNH	Lisbon	144.84	14	IAMS_20	IAMS_20	06 44 10.3	
P51A	Williamsport	144.84	31	IAMS_20	IAMS_20	06 40 15.9	
N53A	Lisbon	144.85	27	IAMS_20	IAMS_20	06 43 32.6	
J59A	Piesd	144.88	17	IAMS_20	IAMS_20	06 31 40.6	
GGN	Saint George	144.92	7	IAMS_20	IAMS_20	06 47 44.7	
O52A	Adamsville	144.95	29	IAMS_20	IAMS_20	06 46 32.4	
VBMS	Vicksburg	145.00	47	IAMS_20	IAMS_20	06 43 39.7	
GBN	Guysborough	145.00	1	IAMS_20	IAMS_20	06 39 33.7	
WVL	Waterville	145.01	11	IAMS_20	IAMS_20	06 39 14.6	
Q51A	Peebles	145.05	31	IAMS_20	IAMS_20	06 49 32.3	
PLAL	Pickwick Lake	145.08	41	IAMS_20	IAMS_20	06 49 30.0	
O53A	New Philadelphia	145.13	28	IAMS_20	IAMS_20	06 45 44.1	
P52A	Cornell	145.18	29	IAMS_20	IAMS_20	06 47 27.7	
ACCN	Adirondack Con	145.20	16	IAMS_20	IAMS_20	06 39 27.8	
HNH	H						

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like E18K, RDOG, C16K, etc.

IDC 22 06:43:41.8:3.4:26.56N:142.29E, h0km, mb3.9/3, mbtmp3.9/3, MS4.6/2, Error ellipse: s-maj=254.7km

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like JCJ, USRK, CTA, etc.

IDC 22 06:48:50.4:2.0:0.88N:126.10E, h0km, mb3.3/3, mbtmp3.4/3, Error ellipse: s-maj=179.5km

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, FINES, etc.

IDC 22 06:50:38.3:1.4:10.44S:118.62E, h0km, mb4.2/3, mbtmp4.0/8, ML3.7/5, Error ellipse: s-maj=50.9km

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR, etc.

IDC 22 06:50:44.2:0.4:9.10:38S:0.06:119.00E:0.04, h10km, n17, r198/23, mb4.4/3, South of Sumbawa

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like WBSI, WSI, BASI, etc.

SJA 22 06:51:41.3:0.7:30.11S:71.39W, h60km, 3km, ML3.2, MW3.4

GUC 22 06:51:42.2:0.8:30.14S:71.24W, h61km, 4km, ML3.5

ISC 22 06:51:43.1:1.4:30.08S:0.03:71.51W:0.05, h47km, 11km, n37, r200/62, 3C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like CO05, G004, CO03, etc.

IDC 22 07:44:34.8:2.6:12.30N:46.48E, h0km, mb3.6/7, mbtmp3.6/7, MS4.1/1, Error ellipse: s-maj=72.5km

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like R001, R002, R003, etc.

JMA 22 08:01:39.1:0.2:42.0N:0.9:142.8E:0.8, h51km, 1km, MV3.6/39, S OFF URAKAWA

JMA Felt J1 at S OFF URAKAWA, JMA 22 08:01:41.2:2.1:42.12N:142.75E, h74km, 15km, mb3.3/12, mbtmp3.6/14, Error ellipse: s-maj=22.4km s-min=14.1km

ISC 22 08:01:39.0:0.8:42.02N:0.05:142.77E:0.04, h54km, 6km, n38, r157/14, mb3.7/12, 13D, Hokkaido region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like AVFE, AAGR, MT01, etc.

IDC 22 07:26:22.1:9.1:0.50:03N:78.79E, h0km, mbtmp2.7/2, ML2.3/2, Error ellipse: s-maj=14.0km s-min=6.4km

NNC 22 07:26:22.1:1.2:50.05N:78.42E, h0km, mb3.6, mpv3.1, Error ellipse: s-maj=10.1km s-min=5.9km az=83.0, Suspected Mining explosion.

ISC 22 07:26:20.6:0.9:49.93N:0.03:78.63E:0.04, h0km, n25, r142/34, 17C-8D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like KUR07, KUR06, KUR14, etc.

Table with columns: SEM, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like MAK2, BRZ5, MK31, etc.

IDC 22 07:44:34.8:2.6:12.30N:46.48E, h0km, mb3.6/7, mbtmp3.6/7, MS4.1/1, Error ellipse: s-maj=72.5km

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like MMAI, AKASG, BVAR, etc.

JMA 22 08:01:39.1:0.2:42.0N:0.9:142.8E:0.8, h51km, 1km, MV3.6/39, S OFF URAKAWA

JMA Felt J1 at S OFF URAKAWA, JMA 22 08:01:41.2:2.1:42.12N:142.75E, h74km, 15km, mb3.3/12, mbtmp3.6/14, Error ellipse: s-maj=22.4km s-min=14.1km

ISC 22 08:01:39.0:0.8:42.02N:0.05:142.77E:0.04, h54km, 6km, n38, r157/14, mb3.7/12, 13D, Hokkaido region

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like URAKAWA-nobuka, JNBK, JEM, etc.

IDC 22 07:26:22.1:9.1:0.50:03N:78.79E, h0km, mbtmp2.7/2, ML2.3/2, Error ellipse: s-maj=14.0km s-min=6.4km

NNC 22 07:26:22.1:1.2:50.05N:78.42E, h0km, mb3.6, mpv3.1, Error ellipse: s-maj=10.1km s-min=5.9km az=83.0, Suspected Mining explosion.

ISC 22 07:26:20.6:0.9:49.93N:0.03:78.63E:0.04, h0km, n25, r142/34, 17C-8D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like H1N2, H1N1, H1N3, etc.

22d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PLAI Plampang, TWSI Taliwang, BSSI Bau Bau, etc.

ASRS 22 08:34:27.0.0.8, 53.96N, 86.61E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

NCC 22 08:34:29.5.2.5, 53.99N, 86.59E, h0km, mb2.7, mpv2.6, Suspected Mining explosion.

IDC 22 08:34:20.7.2.3, 53.96N, 86.52E, h0km, mbtmp3.4/2, ML3.1/2, Error ellipse: s-maj=19.0km s-min=11.0km az=65.0

ISC 22 08:34:30.2.4.1, 54.00N, 86.50E, 0.2, h0km, n8, c09/18/12, 5C-6D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU Zalesovo INFRA, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

ASRS 22 08:59:33.0.1.0, 53.62N, 87.83E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

ASRS 22 08:59:42.0.0.9, 53.66N, 91.16E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021, Southwestern Siberia

IDC 22 09:11:42.8.3.6, 6.16S, 148.80E, h88km, 37km, mb3.5/4, mbtmp3.8/6, Error ellipse: s-maj=7.7km s-min=24.0km az=123.0

ISC 22 09:11:40.8.1.3, 6.0S, 0.2, 148.7E, 0.4, h65km, n7, c102/9, mb3.7/4, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

SJA 22 09:15:23.9.0.7, 30.18S, 171.48W, h68km, 3km, ML3.5, MW3.5

GUC 22 09:15:26.8.0.7, 30.21S, 171.28W, h66km, 3km, ML3.9

ISC 22 09:15:26.0.1.5, 30.18S, 171.48W, 0.06, h56km, 10km, n36, c081/53, 3C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CO05 La Serena, GO04 Tololo Observa, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CO01 Juntas del Tor, LCO Las Campanas, AR0D Rodeo, etc.

ISC 22 09:16:19.5.1.1, 61.25N, 103.140W, 0.03, h11km, 10km, n17, c084/42, Southern Yukon Territory

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YUK8 Steele Glacier, O28M Mount Upton, YUK3 Moose Creek, etc.

MESA MESA Edge Creek, AK, ML2.7, mb2.7, Error ellipse: s-maj=19.6km s-min=14.3km az=91.0

JMA 22 09:26:15.6.0.1, 28.8N, 0.5, 129.9E, 1.0, h31km, MD4.0/25, MW4.0/25, NEAR AMAMI-OSHIMA ISLAND

JMA Feli I, JT at NEAR AMAMI-OSHIMA ISLAND. NIED 22 09:26:15.6.0.1, 28.8N, 0.5, 129.9E, h31km, MW4.3, Moment Tensor Solution, Scale: 10^15Nm

NEIC 22 09:26:16.4.1.4, 28.84N, 0.06, 130.17E, 0.08, h35km, 2km, mb4.5/32, Error ellipse: s-maj=12.6km s-min=9.9km az=107.0

ISC 22 09:26:15.4.1.1, 28.76N, 0.03, 130.01E, 0.05, h33km, 8km, n101, c125/99, mb4.3/36, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JZK Kikaishima, JAM Amami Oshima, etc.

IDC 22 09:20:43.3.1.0, 57.97S, 25.89W, h0km, mb4.3/3, mbtmp4.3/5, ML4.5/2, Error ellipse: s-maj=48.7km s-min=28.0km az=115.0

NEIC 22 09:20:50.1.1.6, 57.8S, 0.1, 26.1W, 0.2, h35km, 1km, mb4.6/12, Error ellipse: s-maj=23.0km s-min=15.6km az=220.0

ISC 22 09:20:48.9.0.5, 57.95S, 0.09, 26.1W, 0.1, h35km, n59, c116/62, mb4.5/8, 5C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, etc.

1929

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SNA4 Sanae, TROLL Troll, PMSA Palmer Station, etc.

ASRS 22 09:22:38.0.0.7, 54.32N, 86.88E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 22 09:22:38.0.0.3, 54.41N, 87.05E, h0km, mbtmp2.6/2, ML2.3/2, Error ellipse: s-maj=26.2km s-min=18.4km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU Zalesovo INFRA, ZALV Zalesovo Beam, etc.

IDC 22 09:26:10.5.0.7, 28.86N, 129.85E, h0km, mb3.9/21, mbtmp3.9/23, ML3.6/2, MS3.1/2, Error ellipse: s-maj=19.6km s-min=14.3km az=91.0

JMA 22 09:26:15.6.0.1, 28.8N, 0.5, 129.9E, 1.0, h31km, MD4.0/25, MW4.0/25, NEAR AMAMI-OSHIMA ISLAND

JMA Feli I, JT at NEAR AMAMI-OSHIMA ISLAND. NIED 22 09:26:15.6.0.1, 28.8N, 0.5, 129.9E, h31km, MW4.3, Moment Tensor Solution, Scale: 10^15Nm

NEIC 22 09:26:16.4.1.4, 28.84N, 0.06, 130.17E, 0.08, h35km, 2km, mb4.5/32, Error ellipse: s-maj=12.6km s-min=9.9km az=107.0

ISC 22 09:26:15.4.1.1, 28.76N, 0.03, 130.01E, 0.05, h33km, 8km, n101, c125/99, mb4.3/36, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JZK Kikaishima, JAM Amami Oshima, etc.

22d 11h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like AJM, AAK, MKAR, KURBB, BVAR, ZALV, AKTO, CMAR, SONM, FINES, ARCES, TORD, WRA, ILAR, YKA.

NEIC 22 10:48:00.3e1.7, 36.51N, 0.02:99.03W, 0.02, h6km, 3km, Error ellipse: s-maj=2.4km s-min=1.9km az=139.0

NEIC 22 10:48:00.1e1.6, 36.51N, 0.01:99.02W, 0.02, h5km, 1km, mb_Lg2.4/17, ML2.7/7, ML3.0/14, Error ellipse: s-maj=2.9km s-min=2.5km az=325.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like NOKA, ELIS, CROK, KAN14, KAN10, GC02, DRZT, KAN08, KAN17, KAN01, KAN01, KAN09, KAN13, BLOK, ADOK, OKCSW, SMWD, OK051, WMOK, WMOK, FNO, OK031, OK052, QUOK, R32A, W35A, CBKS, AMTX, WFTS, KSLU, DKMS, APMT, SN07, POST, T25A.

IDC 22 10:48:36.6e1.3, 53.59N, 159.91E, h0km, mb3.7/10, mbmp3.7/10, MS2.5/1, Error ellipse: s-maj=33.9km s-min=17.1km az=153.0

KRSC 22 10:48:39.6e0.8, 52.93N, 160.11E, h45km, 6km, M4.1, ISC 22 10:48:41.0e0.9, 53.01N, 0.06:160.05E, h47km, 7km, n42, c157/39, mb3.8/10, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SPN, NLC, UGLR, DALK, AVH, PET, INSR, KOK, KRX, RUS, RUS, KRMR, GRL.

2019 JAN

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like GRL, PETK, PETK, APC, PAU, KMNR, KIRP, KPT, ESO, KRKR, KLY, SKR, KRTR, KBG, BKI, MA2, MJAR, H112, H113, H111, H115, H113S, H1S2, SP125, KURBB, MKAR, BVAR, PDAR, FINES, HFS, TXAR, EKA.

IDC 22 11:10:31.3e0.6, 6.78N, 72.99W, h158km, 6km, mb3.9/20, mbmp4.4/24, MS2.7/1, Error ellipse: s-maj=10.3km s-min=9.9km az=12.0

RSNC 22 11:10:32.1e0.7, 7.1N, 1.7e3W, h148km, 2km, M4.5, mb5.0, mb4.6, ML4.1, Mw4.2, Mw(M)4.3

NEIC 22 11:10:32.2e1.4, 6.75N, 0.08:72.91W, 0.06, h163km, 8km, mb4.4/149, Error ellipse: s-maj=14.3km s-min=3.6km az=145.0

VAO 22 11:10:33.0e0.6, 6.71N, 72.81W, h151km, 9km, mb4.5, ISC 22 11:10:30.4e0.5, 6.82N, 0.03:73.05W, 0.03, h152km, 5km, n235, c152/24/259, mb4.4/85, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BARC, PAMC, BRUC, RUSC, TAME, TAMC, OCAC, SPBC, ZARC, CARG, NORC, CHIC, ROSC, ROSC, BOG, BOG, MEDEC, UREC, UREC, VILC, GUYVC, GUYVC, RECR, RECR, NIZA, CBOS, CBOS, DBBC, DBBC, SDV, SDV, SDV, ARG, ARG, ANIL, ANIL, PRAC, PRAC, ORTC, ORTC, APAC, APAC, SJCC, SJCC, PLMC, PLMC, URM, URM, LCBC, LCBC, CRJC, CRJC, CRJC, GUVV, YOTC, YOTC, SOLC, SOLC, SOLC, CAPC, CAPC, PIZZ, PIZZ, PIZZ, MACC, MACC, PTAC, PTAC.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BETC, URIC, JAMC, JALC, GARC, GARC, BAUV, POPO, FLOC, FLOC, BBAC, BBAC, HATO, GPIP, OTAV, PCRV, PCRV, BRU2, COHC, TBGT, SDO, SDO, MTJD, SDDR, JTS, JTS, ESPN, ESPN, CELP, IGRP, IGRP, SABA, SABA, SJB, SJB, BOAV, BOAV, HUMP, HUMP, CHIV, CHIV, BOAB, BOAB, MPOM, MPOM, ILAM, ILAM, GDHS, GDHS, ETMB, ETMB, TEIG, TEIG, MDP, MDP, ITTB, MAL2, CCG, CCG, NPGB, NPGB, VILB, VILB, VILB, VILB, PDRB, GO01, PB08, HMBC, HMBC, TA01, TA01, PB01, PB01, 152A, 152A, PB09, PB09, Y52A, Y52A, 346A, 346A, LRAL, LRAL, Y49A, Y49A, Z47A, Z47A, SMTB, FPAL, FPAL, X48A, X48A, X48A, W50A, W50A, TZTN, S57A, V48B, HBVL, AQB, WVT, WVT, ZAIG, ZAIG, T47A, T47A, T47A, UALR, UALR, SSFO, SSFO, X40A, X40A, 435B, 435B, BDFB, BDFB, BDFB, BDFB, HND, HND, HND, WCI, WCI, WCI, LCAR, LCAR, LCAR.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PBMO Poplar Bluff, FCAR Ozark Folk Cen, SDBA SAO DESIDERIO, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like P29M Windy Craggy, HNT Haines Junctio, M30M Minto, Yukon, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MTBS 5.2nm,0.4s, TNSS Tian-Shan, TNSS 2.0nm,0.6s, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like San Andres, Alcaldia de L, Piamonte, etc.

IDC 22 13:14:01.8, 1.2, 23:97Sx179.76W, h505km, 12km, mb3.8/15, mbtmp4.0/17, Error ellipse: s-maj=15.9km

NEIC 22 13:14:02.3, 2.24, 15:01S, 179.77W, 0.1, h505km, 10km, mb3.6/48, Error ellipse: s-maj=21.5km s-min=15.2km

NOU 22 13:14:02.8, 23:98S, 179.48W, h538km, mb4.8/36, South of Fiji Islands

ISC 22 13:14:02.4, 0.24, 01S, 0.05, 179.72W, 0.06, h512km, n146, e19/190, mb4.5/42, 2C-12, South of Fiji Islands

Main table of station data for the left column, including codes like RAO, GLKZ, DZM, etc.

ASAR comp=2.9nm, 0.9s, baz=97, slow=4.0, SNR=11

ASAR comp=2.9nm, 0.9s, baz=97, slow=4.0, SNR=11

ASAR comp=2.9nm, 0.9s, baz=97, slow=4.0, SNR=11

ASAR comp=2.9nm, 0.9s, baz=97, slow=4.0, SNR=11

Main table of station data for the middle column, including codes like WB2, WRA, WRA, etc.

IDC 22 13:20:13.1, 0.5, 15:21S, 173:59W, h0km, mb4.3/16, mbtmp4.3/17, MLN3.6/1, MS4.0/52, Error ellipse: s-maj=24.1km s-min=13.8km az=134.0

NEIC 22 13:20:18.1, 1.1, 15:11S, 0:09, 173:13W, 0.08, h10km, 1km, mb4.9/53, Error ellipse: s-maj=16.9km s-min=10.5km az=148.0

NOU 22 13:20:20.7, 15:13S, 173:07W, h63km, mb4.9/11, Tonga Islands

NOU 22 13:20:20.7, 15:13S, 173:07W, h63km, mb4.9/11, Tonga Islands

GCMT 22 13:20:23.1, 0.2, 15:18S, 0:02, 173:48W, 0.02, h12km, MMV5.2/109, Moment Tensor Solution, s27, c32, s109, c141; Duration: 1s0 Moment tensor: Scale 1016 Nm; Mn: 0.26e; Or: M00=0.17e; I1: M00=0.09e; Or: M0=8.35e; 20; M01=0.46e; 07; M01=7.5e; 20; Best double couple: Mb: 8.54700x1016 NP1: 9.171, 0.00000, 83.00000, 1.59.00000. NP2: 0.282, 0.00000, 889.00000, 1.87.00000. Principal axes: T: 8.5020, P: 6.460000, Azm: 189.00000; N: 0.0890, P: 6.302000; Azm: 282.00000; P: 8.5910, P: 6.440000, Azm: 15.00000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function BGR 22 13:20:31.3, 15:87S, 173:07W, h33km

ISC 22 13:20:19.0, 0.4, 15:20S, 0:06, 173:10W, 0.05, h29km, n169, e19/77, mb4.8/39, MS4.2/50, 5C-10D, Tonga Islands

Main table of station data for the right column, including codes like AFI, AFU, AFU, etc.

DSP Deep Springs 73.61 43 P P 13 31 51.1 +1.4

LHV Little Huttons 73.76 42 P P 13 31 52.0 +1.4

L04D Klamath Falls 73.87 37 P P 13 31 52.4 +1.4

NVAR Mina Array Bea 73.99 42 P P 13 31 53.3 +1.0

22d 13h

Table with columns: Station, Name, Time, Res, and various codes. Includes stations like Kodiak Island, South Pole Qui, Fort Rock, etc.

2019 JAN

Table with columns: Station, Name, Time, Res, and various codes. Includes stations like Kirsir-Merke, Arges, Conrad Observa, etc.

1302

Table with columns: Station, Name, Time, Res, and various codes. Includes stations like Curacav, Ro Olivares, Choya, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like PLMC San Jos del P, URMCA La Uribe, Meta, LRMBC Los crdobas, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like URZ Urewera, URZ Urewera, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like SEY Seymchan, ELIB Princess Elisa, ILAR Eielson Array, etc.

IDC 22 15:02:23.1±2.7, 207.69Sx175.73W, h199km, 21km, mb3.8/9, mbtmp3.5/12, Error ellipse: s-maj=25.2km s-min=15.4km

NEIC 22 15:02:24.9±2.0, 207.35S, 0.1x175.90W, h1.202km, 7km, mb4.9/27, Error ellipse: s-maj=19.2km s-min=13.6km

NOU 22 15:02:40.6±2.0, 207.76S, 176.39W, h325km, mb4.5/46, Fiji Islands Region

ISC 22 15:02:24.1±0.4, 20.42S, 0.06x175.74W, 0.05, h200km, n147, 0.1958/152, mb4.6/30, 1D, Tonga Islands

IDC 22 15:06:41.4±1.6, 36.03N, 140.09E, h0km, mb3.5/4, mbtmp3.5/6, ML3.2/2, Error ellipse: s-maj=32.9km

JMA 22 15:06:44.2±0.2, 35.9N, 0.5±1.4E, h33km, 1km, MV3.4/37, NEAR CHOSHI CITY

JMA Feli II J1 at NEAR CHOSHI CITY

ISC 22 15:06:44.3±1.6, 35.89N, 0.04x140.90E, 0.07, h26km, 12km, n20, 0.093/22, mb3.4/4, 6D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like JIHU Itakohorinouch, JISMT Sammumatsuo, etc.

IDC 22 15:08:58.7±3.9, 35.46N, 141.133E, h54km, 36km, mb3.1/3, mbtmp3.4/5, ML3.8/1, Error ellipse: s-maj=49.5km

JMA 22 15:09:04.3±0.2, 35.9N, 0.6±1.4E, h33km, 1km, MV2.9/28, NEAR CHOSHI CITY

JMA Feli II J1 at NEAR CHOSHI CITY

ISC 22 15:09:02.8±1.8, 35.83N, 0.09x141.0E, 0.1, h51km, 11km, n18, 0.101/17, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like JIHU Itakohorinouch, JISMT Sammumatsuo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAG Ashikaga, MJAR Matsushiro Arr, ASAJ Ashikawa, H112 WAKE ISLAND Hy, H111 WAKE ISLAND Hy, H113 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, MKAR Makanchi Array, KURBB Kurchatov Arra, WRA Warramunga Arr.

IDC 22 15:21:59.8,0.3,92S:151.52E,h144km,39km,mb3.3/4, mbmp3.8/5, Error ellipse: s-maj=97.4km s-min=30.3km az=120.0

NEIC 22 15:22:00.5,1.8,4.0S:0.1x151.9E:0.2,h156km,6km, mb4.3/15, Error ellipse: s-maj=30.2km s-min=10.3km az=124.0

ISC 22 15:21:59.9,0.7,4.2S:0.1x151.8E:0.1,h150km,n23, r=178/23,mb4.2/13, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RABL Rabaul, PMG Port Moresby, COEN Coenen, MTN Manton Dam, DZM Mont Dzumac, WBO Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, KNRA Kununurra, AS31 Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, CASY Casey, ILSW Ilmanna South, F19K Shalerucik Mo, RAGM Ragged Mount, ILAR Eielson Array, J25K Salcha River, P33M Teslin, Yukon, H31M Peel River, BVAR Borovoye Array, TORD Torodi Arr, BEA, PKPbc, PKPbc.

NEIC 22 15:37:10.1,1.3,20.4S:0.1x178.0W:0.1,h545km,9km, mb4.5/30, Error ellipse: s-maj=20.4km s-min=16.0km az=156.0

IDC 22 15:37:11.8,1.4,20.49S:178.06W,h568km,14km, mb3.4/13,mbmp4.3/16, Error ellipse: s-maj=17.1km s-min=11.7km az=155.0

ISC 22 15:37:09.9,0.5,20.3S:0.1x178.0W:0.08,h550km,n68, r=136/69,mb4.4/29, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSFV Nonsavu, NIUE Niue, AFI Afiamalu, DZM Mont Dzumac, URZ Urewera, RTZ Ruaatuhana, BKZ Back Stump Fm, TCW Tory Channel, PPTF Pamatai, Papee, EIDS Eidsvold, ARMA Armidale, CAN Canberra, CTA Charters Tower, CTAO Charters Tower, TOO Toolangi, COEN Coenen, STKA Stephens Creek, BBOO Buckleboo, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WBO Warramunga Arr.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBE Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, MTN Manton Dam, PORT Forrest, KNRA Kununurra, FITZ Fitzroy Crossi, SOEI Soe, PSAO Pilbara Seismi, MBWA Marble Bar, MORW Morawa, GSPA South Pole Qui, GSPA South Pole Qui, MJAR Matsushiro Arr, SSSL Suanglung, TPUB Ta-pu, KSRs Korea Array, NVAR Mina Array Bay, J05D Fort Rock, OR, M16K Timber Creek, N19K Bonanza Creek, KULM Kulim, TXAR Lajitas Array, ILAR Eielson Array, M30M Minto, Yukon, PDAR Pinedale Array, CMAR Chiang Mai Arr, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, ARCES ARCES Array B, AKBS Malin Array B, AKBS Malin Array S, AK21 Malin Array Si, AK08 Malin Array Si, AK01 Malin Array Si, AK15 Malin Array Si, LODK Lodki, RNPP1 Kostyukhnivka, RNPP5 Staryi Chortor, BR131 Keskin Array S, BRTR Keskin Array B, MMAI Mount Meron Arr, CLL Collm, GERES GERES Array B.

IDC 22 15:37:15.3,29.0,20.62S:177.65W,h383km,220km, mb3.3/4,mbmp4.1/5, Error ellipse: s-maj=255.1km s-min=32.7km az=39.0, Fiji Islands region

IDC 22 15:44:26.1,1.2,9.76N:57.27E,h0km,mb3.6/8, mbmp3.6/8,MS3.5/5, Error ellipse: s-maj=29.3km s-min=27.6km az=122.0

ISC 22 15:44:28.9,1.1,9.8N:0.2x57.3E:0.2,h17km,n12,r=069/8, mb3.5/8,MS3.5/5, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMBO Kilima Mbogo, GNI Garm, BRDH Baradihala, KBZ Khabaz, LSZ Lusaka, CMAR Chiang Mai Arr, MKAR Makanchi Array, MKAR Makanchi Array, LBTB Lobatse, ZALV Zalesovo Beam, SONM Songoing Array, WRA Warramunga Arr, ASAR Alice Springs.

SJA 22 15:52:57.5,0.7,30.07S:71.48W,h62km,2km,ML3.0, MW3.2

GUC 22 15:52:59.9,0.7,30.06S:71.18W,h63km,2km,ML3.5

ISC 22 15:53:00.2,1.5,30.09S:0.03x71.43W,0.06,h57km,9km, n25,r=085/38,5C-2D,Near coast of Central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO05 La Serena, GO04 Tololo Observa, GO04 El Pedregal, CO03 El Pedregal, CO03 Juntas del Tor, CO01 Juntas del Tor, LCO Las Campanas, LCO Las Campanas, AROD Rodeo, AC04 Llanos de Chal, AC04 Llanos de Chal, CO04 Los Peladeros, AC04 Cuesta del Vie, ACCO Reserva Natura, DOCA Reserva Natura, AGUA GUANDACOL, VA03 San Esteban, VA03 Vinchina, MT02 Curacav, AVFE Valle Fertil, AC02 Maricunga, ACLC CERRO LA Cruz, AC01 Pan de Azucar, APLL PUNTA DE LOS L.

IDC 22 15:58:18.3,2.3,5.63S:129.83E,h0km,mb3.7/1, mbmp3.3/3,ML3.1/1, Error ellipse: s-maj=158.8km s-min=30.3km az=70.0, Banda Sea

WRA Warramunga Arr 14.89 163 Pn 16 01 49.6 -0.7

ASAR Alice Springs 18.36 168 P 16 02 34.6 +0.1

MKAR Makanchi Array 66.99 327 P 16 09 13.1 0.0

IDC 22 16:02:35.5,1.4,19.14N:146.67E,h0km,mb3.6/6, mbmp3.6/6, Error ellipse: s-maj=51.0km s-min=23.5km az=87.0

ISC 22 16:02:46.0,1.4,19.1N:0.2x146.6E:0.4,h83km,n9, r=054/6,mb3.6/6, Mariana Islands region

H11S3 WAKE ISLAND Hy 19.02 88 T 16 26 35.6

H11S1 WAKE ISLAND Hy 19.03 88 T 16 26 38.2

H11S2 WAKE ISLAND Hy 19.04 88 T 16 26 38.1

WRA Warramunga Arr 40.60 198 P 16 10 18.2 +0.4

ASAR Alice Springs 44.25 197 P 16 10 47.0 -0.4

MKAR Makanchi Array 58.83 314 P 16 12 35.7 -0.2

KURBB Kurchatov Arra 61.62 318 P 16 12 54.7 -0.1

BVAR Borovoye Array 66.74 320 P 16 13 28.7 +0.4

YKA Yellowknife Arr 77.25 28 P 16 14 30.9 0.0

NEIC 22 16:09:52.4,0.4,19.25N:0.03x155.48W:0.03,h38km,4km, Error ellipse: s-maj=4.5km s-min=2.8km az=142.0

HVO 22 16:09:53.2,0.6,19.21N:0.03x155.47W:0.03,h39km,4km, ML2.7/38,ML2.9/42(NEIC), Error ellipse: s-maj=4.6km s-min=2.8km az=138.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HTC Hot Caves, KHU Kahuku, HLP Hiilani Pali, SDHHI Sand Hill, WRMH West Rim, RIM Rim, KKO Keanakao'i, KWE Uwekahuna, UWE Uwekahuna.

22d 16h

Table with columns: Code, Station Name, Az, El, Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Uwekahuna Bluf, Byron's Ledge, Halema'uma'u T, etc.

NEIC 22 16:14.47±1.3, 61.51N±0.03±149.93W±0.05, h40km, 5km, Error ellipse: s-maj=4.0km s-min=3.0km az=149.0

AEIC 22 16:14.48±0.1, 61.50N±0.02±149.93W±0.05, h43km, 4km, ML2.7, ML2.9/128(NEIC), Error ellipse: s-maj=4.0km s-min=2.8km az=140.0, Southern Alaska

Table with columns: Code, Station Name, Az, El, Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Willow, Fire Island, Susitna One, etc.

2019 JAN

Table with columns: Code, Station Name, Az, El, Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like China Poot, Kantishina Hill, Iliamna Volcan, etc.

SJA 22 16:19:23.9±0.8, 30.19S±71.60W, h28km, 3km, ML4.1, MW4.1
GUC 22 16:19:26.7±1.0, 30.23S±71.24W, h59km, 3km, ML4.3
NEIC 22 16:19:26.4±1.0, 30.14S±71.58W±0.08, h47km, 6km, mb4.8/7, Error ellipse: s-maj=10.1km s-min=5.2km az=105.0

Table with columns: Code, Station Name, Az, El, Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like La Serena, Tololo Observa, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Los Peladeros, Cuesta del Vie Llanos de Chal, Cerro Coronel, etc.

1306

22d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various stations like RAMN Ramite, ODAN Odare, TAPN Tapeljung, etc.

2019 JAN

Table with columns: AAK, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like Ala-Archa, Batken, Chuyangaron, etc.

1308

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like KDJ Kajisay, ANVS Anan'yevov, SATY Saty, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CAW, UHCS, NWLands, SOMS, HKBS, WEL, BHW, BHW, HOWZ, MTW, MTW, TOW, TOW, PAWZ, PAWZ, PLWZ, PLWZ, OHWZ, OHWZ, POWZ, NNZ, NNZ, DVHZ, DVHZ, TSZ, TSZ, TKNZ, TKNZ, PHNZ, PHNZ, MRNZ, MRNZ, KHZ, KHZ, THZ, THZ, MOVZ, MOVZ, PKVZ, PKVZ, NNVZ, NNVZ, QNZ, QNZ, TUZ, TUZ, KHEZ, KHEZ, NEZ, NEZ, COVZ, COVZ, VRZ, VRZ, NBZ, NBZ, SNVZ, SNVZ, NGZ, NGZ, OTVZ, OTVZ, KAHZ, KAHZ, NNVZ, NNVZ, MWZ, MWZ, ETVZ, ETVZ, TWVZ, TWVZ, TMVZ, TMVZ, NTVZ, NTVZ, MCHZ, MCHZ, RITZ, RITZ, BKZ, BKZ, NMHZ, NMHZ, DSZ, DSZ, HZ, HZ, LHZ, LHZ, RTZ, RTZ, OKCZ, OKCZ, MWZ, MWZ.

IDC 22 17:25:51.4-0.8, 16.933S-172.09W, h0km, mb4.2/8, mbmp4.2/8, ML6.5/1, MS3.4/6, Error ellipse: s-maj=32.5km s-min=19.5km az=139.0

NEIC 22 17:25:54.4-1.2, 17.3S:0.1x171.8W:0.1, h23km, 4km, mb4.5/14, Error ellipse: s-maj=20.5km s-min=13.3km az=221.0

ISC 22 17:25:53.6-0.5, 17.16S:0.09-171.89W:0.08, h20km, n45, a=132/39, mb4.4/12, MS3.4/4, Tonga Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NIUE, NIUE, FUTU, FUTU, MSVF, MSVF, RAR, RAR, RAO, RAO, DZM, DZM, PPT, PPT, HNR, HNR, H1S2, H1S2, H1S3, H1S3, H1S1, H1S1, COEN, COEN, STKA, STKA, STKA, STKA, BBOO, BBOO, WB0, WB0, WB2, WB2, WRA, WRA, WRA, WRA, AS31, AS31, ASAR, ASAR, FORTZ, FORTZ, SOEI, SOEI, QSPA, QSPA, YBH, YBH, NVAR, NVAR, PETK, PETK, PINE, PINE, PSUT, PSUT, LI4K, LI4K, YKA, YKA, MKAR, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CLL, CLL, BUR08, BUR08, GERES, GERES, BRTR, BRTR, BRTR, BRTR, CONA, CONA, RONA, RONA, WTTA, WTTA, WTTA, WTTA, FETA, FETA, ABTA, ABTA, FUORN, FUORN, TORO, TORO.

IDC 22 17:37:00.7-1.3, 49.65N:28.34W, h0km, mb3.3/5, mbmp3.3/5, MS3.5/5, Error ellipse: s-maj=52.7km s-min=27.6km az=34.0

ISC 22 17:37:02.9-1.2, 49.7N:0.3x28.3W:0.2, h17km, n17, a=072/7, mb3.4/5, MS3.4/5, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NOA, NOA, DAVOX, DAVOX, VRAC, VRAC, TORO, TORO, YKA, YKA, PDAR, PDAR, ILAR, ILAR, H10N2, H10N2, H10N3, H10N3, H10N1, H10N1, H10S3, H10S3, H10S2, H10S2, CMIG, CMIG, MKAR, MKAR, WRA, WRA, ASAR, ASAR.

JMA 22 17:37:34.7-0.5, 34.42N:137.02E, h332km, 24km, mb3.1/2, mbmp3.8/5, Error ellipse: s-maj=57.5km s-min=27.0km az=138.0

ISC 22 17:37:34.5-1.0, 34.49N:0.09-137.18E:0.08, h350km, n19, a=140/23, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAA, JAA, JIE, JIE, JYTA, JYTA, JYWC, JYWC, JYTW, JYTW, JYJ, JYJ, JYD2, JYD2, JYK, JYK, JYR, JYR, JYJ, JYJ, JYAT, JYAT, MJAR, MJAR, JAI, JAI, JYH, JYH, JAG, JAG, JAG, JAG, JYU, JYU, JYH, JYH, ASAJ, ASAJ, WRA, WRA, ASAR, ASAR.

TAP 22 17:46:13.9-2.4, 32N:122.38E, h75km, ML2.6, B, JMA 22 17:46:14.0-0.1, 24.1N:122.4E:0.3, h67km, 1km, MV1.9/11, NW OFF ISHIGAKIJIMA IS

ISC 22 17:46:14.5-1.3, 24.33N:0.04-122.41E:0.02, h68km, 7km, n68, a=075/126, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like E0S3, E0S3, E0S2, E0S2, E0S3, E0S3, E0S4, E0S4, JYNG, JYNG, JYJ, JYJ, YOJ, YOJ, YOJ, YOJ, ESOA, ESOA, TWC, TWC, EWUT, EWUT, EYAH, EYAH, ENA, ENA, ENA, ENA, ETL, ETL, NACB, NACB, TWD, TWD, TWE, TWE, TWT, TWT, HWA, HWA, ENT, ENT, LATG, LATG, TIPB, TIPB, TIPB, TIPB, ETLH, ETLH, ETLH, ETLH, FUSB, FUSB.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TEYL, TEYL, SX11, SX11, ETM, ETM, ETM, ETM, NWLT, NWLT, NNSB, NNSB, NNSB, NNSB, SHUL, SHUL, SHUL, SHUL, NSK, NSK, NSK, NSK, LXIB, LXIB, LXIB, LXIB, YHNB, YHNB, YHNB, YHNB, NSKB, NSKB, NSKB, NSKB, NSK, NSK, NSK, NSK, SHIL, SHIL, SHIL, SHIL, WHF, WHF, WHF, WHF, FUSS, FUSS, FUSS, FUSS, EGPH, EGPH, EGPH, EGPH, EGPH, EGPH, WARB, WARB, WARB, WARB, TWT, TWT, TWT, TWT, TDCB, TDCB, TDCB, TDCB, CWD, CWD, CWD, CWD, IRIF, IRIF, IRIF, IRIF, IRIF, IRIF, NFF, NFF, NFF, NFF, HGD, HGD, HGD, HGD, WUSB, WUSB, WUSB, WUSB, WUSB, WUSB, EHY, EHY, EHY, EHY, WYD, WYD, WYD, WYD, WYD, WYD, LIOB, LIOB, LIOB, LIOB, LIOB, LIOB, NSTI, NSTI, NSTI, NSTI, NSTI, NSTI, WHP, WHP, WHP, WHP, YULB, YULB, YULB, YULB, YULB, YULB, WCS, WCS, WCS, WCS, EWUL, EWUL, EWUL, EWUL, EWUL, EWUL, TWFI, TWFI, TWFI, TWFI, TWFI, TWFI, SSLB, SSLB, SSLB, SSLB, SSLB, SSLB, SMLT, SMLT, SMLT, SMLT, SMLT, SMLT, JKRS, JKRS, JKRS, JKRS, JKRS, JKRS, TYC, TYC, TYC, TYC, TYC, TYC, FULB, FULB, FULB, FULB, FULB, FULB, WHYT, WHYT, WHYT, WHYT, WHYT, WHYT, WHYT, WHYT, WHYT, WHYT, JIJ, JIJ, JIJ, JIJ, JIJ, JIJ, JWS, JWS, JWS, JWS, WNT, WNT, WNT, WNT, WNT, WNT, ALS, ALS, ALS, ALS, ALS, ALS, ELDTW, ELDTW, ELDTW, ELDTW, ELDTW, ELDTW, JISG, JISG, JISG, JISG, JISG, JISG, WCKO, WCKO, WCKO, WCKO, WCKO, WCKO, STYH, STYH, STYH, STYH, STYH, STYH, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, WTP, WTP, WTP, WTP, WTP, WTP.

NEIC 22 18:07:04.8-1.4, 35.27N:0.01-97.87W:0.02, h5km, 1km, mb_Lg2.3/6, ML2.3/41, ML2.8/20, Error ellipse: s-maj=2.6km s-min=2.2km az=256.0

NEIC 22 18:07:05.3-1.5, 35.273N:0.007-97.88W:0.01, h7km, 3km, Error ellipse: s-maj=2.0km s-min=0.6km az=119.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OKCSW, OKCSW, OKCSW, OKCSW, OKCSW, OKCSW, FNO, FNO, FNO, FNO, OK029, OK029, OK029, OK029, OK029, OK029, X34A, X34A, X34A, X34A, W35A, W35A, W35A, W35A, WMOK, WMOK, WMOK, WMOK, OK031, OK031, OK031, OK031, OK031, OK031, OK052, OK052, OK052, OK052, OK052, OK052, DEOK, DEOK, DEOK, DEOK, QUOK, QUOK, QUOK, QUOK, ELIS, ELIS, ELIS, ELIS, OK051, OK051, OK051, OK051, OK051, OK051, BLOK, BLOK, BLOK, BLOK, WFTS, WFTS, WFTS, WFTS, NOKA, NOKA, NOKA, NOKA, OKAN14, OKAN14, OKAN14, OKAN14, OKAN13, OKAN13, OKAN13, OKAN13, KART, KART, KART, KART, FW03, FW03, FW03, FW03, FW06, FW06, FW06, FW06, PLPT, PLPT, PLPT, PLPT, PLPT, PLPT, MGMT, MGMT, MGMT, MGMT, MGMT, MGMT.

ISK 22 18:10:57.5, 39.87N:25.50E, h6km, ML2.5/22, THE 22 18:10:58.5, 39.87N:25.50E, h11km, 1km, ML2.5/6, Error ellipse: s-maj=1.7km s-min=0.7km az=231.0, ATH 22 18:10:58.4, 39.88N:25.51E, h14km, 4km, ML2.5/6, Manual Solution of L1dede This location: 2020/09/30 06:37:27 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 3

22d 18h

km; Longitude uncertainty: 4 km

AFAD 22 18:11:00.0, 39.87N, 25.67E, h7km, 1km, ML2.4

ISC 22 18:10:58.3, 0.9, 39.87N, 0.02, 25.52E, 0.02, h13km, 7km, m54, c060/81, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like LIA Limnos Island, BOZO Bozcaada, GADG Givkgeada, etc.

NEIC 22 18:26:52.6, 1.1, 30.35S, 0.10, 178.7W, 0.2, h132km, 9km, mb4/4/13, Error ellipse: s-maj=26.5km s-min=10.9km

ISC 22 18:26:53.0, 0.7, 29.91S, 178.65W, h154km, 7km, mb4, 1/5, mbmp4, 6/5, Error ellipse: s-maj=22.4km s-min=20.0km

ISC 22 18:26:52.7, 0.6, 30.36S, 0.07, 178.7W, 0.1, h150km, n53, c25/61, mb34/3/10, Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GLKZ Green Lake, RAO Raoul Island, etc.

2019 JAN

Main table for 2019 JAN with columns: THZ, KHZ, CTAO, STKA, etc. Lists various seismic events with time, location, and magnitude.

ISC 22 18:39:39.6, 2.4, 38.08N, 142.52E, h0km, mb3, 3/3, mbmp3, 2/4, ML 1.9/1, Error ellipse: s-maj=47.3km

JMA 22 18:39:51.2, 0.1, 37.9N, 0.3, 141.8E, 0.6, h57km, MV3, 2/36, SE OFF MIYAGI PRE

ISC 22 18:39:49.7, 1.6, 37.91N, 0.06, 141.9E, 0.1, h59km, 11km, m24, c069/28, mb3, 3/3, 8D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JIKH Ishinomakikobu, JIO Ouri, etc.

H1N2 WAKE ISLAND Hy 28.123 T T 19 15 59.1

H1N1 WAKE ISLAND Hy 28.29 123 T T 19 16 01.3

H1N3 WAKE ISLAND Hy 28.30 123 T T 19 16 02.7

H1S1 WAKE ISLAND Hy 29.02 125 T T 19 16 59.7

H1S2 WAKE ISLAND Hy 29.02 125 T T 19 16 57.3

MKAR Makanchi Array 43.99 301 P P 18 47 50.4

KURBB Kurchatov Arra 45.77 307 P P 18 48 05.5

WRA Warramunga Arr 57.98 188 P P 18 49 35.5

TAP 22 18:52:23.6, 22.83N, 121.23E, h74km, ML3, 6, B, JMA 22 18:52:24.1, 2.2, 22.9N, 0.6, 121.2E, h67km, 1km, MV3, 1/14, TAIWAN REGION

ISC 22 18:52:23.2, 1.2, 22.82N, 0.02, 121.23E, 0.02, h78km, 4km, n176, c19/02/294, 20C-7D, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TONT Taitung, LTTN Longtian, etc.

1310

Table with columns: ECL, FULB, CHKH, CHHK, etc. Lists stations and their associated data for the 1310 series.

Table with columns: IACB, Name, RA, Dec, P, M, Az, El, S, E, etc. Lists various astronomical objects and their coordinates.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, etc. Lists station data for various locations like Crozet Islands, Sutherland, etc.

Table with columns: SNA, Name, RA, Dec, P, M, Az, El, S, E, etc. Lists astronomical objects and their coordinates, including SNAE, SNA, SNA, etc.

ICD 22 19:01:41.2, 0.3, 43.03S:42.54E, h0km, mb5.7/37, mbmp5.6/37, MS6.3/64, Error ellipse: s-maj=12.5km s-min=10.1km az=63.0

GCMT 22 19:01:49.6, 0.0, 43.01S:42.17E, h18km, MW6.6/174, Moment Tensor Solution, s174.c422; s171.c809; Duration: 5s1 Moment tensor: Scale 1019Nm;

SNAE Sanae 35.98 202 P P comp=Z,104nm,1.0s,baz=82,slow=6.7,SNR=84 S S 19 14 24.5 +1.8

22d 19h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Cape Leeuwin H, West Island, Rocky Gully, etc.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Dimbokro, Dimpokro, comp=Z,42nm,1.0s, etc.

1312

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SOHO, PSI, CMBY, etc.

22d 19h

2019 JAN

1316

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like VILB, BZS, DEV, KIS, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like GBAS, SHLS, KPKS, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like MESJ, PSZ, CTI, etc.

SHEM	comp=Z,9um,18.0s	146.80	56	PKPbc	PKPdf	19 21 22.9	-0.2
H0651	SOCCORRO T	146.90	21	PKPbc	PKPbc	19 21 25.9	-0.2
P38A	Dawn	147.05	279	IAMS_20	IAMS_20	20 32 59.2	
Z35A	Perchaven, San	147.12	266	IAMS_20	IAMS_20	20 30 49.4	
FW06	Azle	147.17	266	PKPdf	PKPdf	19 21 23.1	-1.2
N38A	Joos South For	147.23	281	IAMS_20	IAMS_20	20 29 41.0	
TUL3	Leonard	147.24	272	IAMS_20	IAMS_20	20 31 45.4	
JCT	Junction City	147.50	260	IAMS_20	IAMS_20	20 42 30.3	
E38A	The Farm, Brul	147.59	292	PKPdf	PKPdf	19 21 23.6	-0.9
W35A	Tecumseh	147.67	270	IAMS_20	IAMS_20	20 41 32.6	
EYMN	Ely	147.74	295	IAMS_20	IAMS_20	20 28 48.9	
OK052	Battle Ridge R	148.01	271	PKPdf	PKPdf	19 21 25.6	0.0
OK052	Battle Ridge R	148.01	271	IAMS_20	IAMS_20	20 32 19.2	
OK031	S. Brethren Rd	148.02	271	IAMS_20	IAMS_20	20 32 19.2	
FNO	Franklin	148.13	269	IAMS_20	IAMS_20	20 42 52.0	
T35A	Sooner Cattle	148.19	273	IAMS_20	IAMS_20	20 39 23.5	
OK051	E0350 and S346	148.25	272	IAMS_20	IAMS_20	20 29 02.3	
ABTX	Ablene, Hawle	148.51	263	IAMS_20	IAMS_20	20 30 48.2	
BLOK	Blackwell	148.64	272	IAMS_20	IAMS_20	20 39 26.5	
SAND	Sanders	148.87	257	PKPdf	PKPdf	19 21 28.3	+1.0
WMOK	Wichita Mouna	148.90	268	IAMS_20	IAMS_20	20 36 02.6	
CROK	Carrier	149.09	271	PKPdf	PKPdf	19 21 27.3	-0.1
CROK	Carrier	149.09	271	IAMS_20	IAMS_20	20 29 39.5	
KSU1	Kansas State U	149.09	277	IAMS_20	IAMS_20	20 33 04.4	
SGCY	Sterling City	149.22	261	PKPdf	PKPdf	19 21 27.3	-0.6
HPIC	Sterling City	149.51	248	IAMS_20	IAMS_20	20 43 04.5	
TXAR	Lajitas Array	149.60	254	PKP	PKPdf	19 21 28.3	-0.2
TXAR	Lajitas Array	149.60	254	PKPbc	sPKPbc	19 21 33.5	+0.3
SLBS	Sierra La Lagu	150.08	238	IAMS_20	IAMS_20	20 35 15.3	
SLBS	Sierra La Lagu	150.08	238	IAMS_20	IAMS_20	20 35 15.3	
A21K	Barrow	150.21	12	PKPdf	PKPdf	19 21 29.3	+1.3
A36M	Sachs Harbour	150.45	352	PKPdf	PKPdf	19 21 28.9	+0.5
A22K	Sinclair Lake	150.74	12	PKPdf	PKPdf	19 21 29.4	+0.6
ULM	Lac du Bonnet	150.83	299	PKP	PKPdf	19 21 26.6	-3.1
ULM	Lac du Bonnet	150.83	299	PKPbc	PKPbc	19 21 34.4	-0.9
C16K	Lisburne Hills	150.86	21	PKPdf	PKPdf	19 21 28.2	-0.9
C16K	Lisburne Hills	150.86	21	IAMS_20	IAMS_20	20 38 37.5	
C16K	Lisburne Hills	150.86	21	PKPdf	PKPdf	19 21 28.3	-0.9
B18K	Kokolik River	150.88	17	PKPdf	PKPdf	19 21 29.4	+0.2
BGNE	Belgrade	150.95	280	IAMS_20	IAMS_20	20 36 50.5	
C17K	Delong Mountai	151.25	19	PKPdf	PKPdf	19 21 29.6	-0.2
MXST	Muleshoe	151.45	263	IAMS_20	IAMS_20	20 39 23.1	
B22K	Teshokuk Lake	151.56	11	PKPdf	PKPdf	19 21 31.5	+1.4
B22K	Teshokuk Lake	151.56	11	PKPdf	PKPdf	19 21 30.7	+0.5
C18K	Utukok River	151.59	18	PKPdf	PKPdf	19 21 30.0	-0.4
GAMG	Gambell	151.59	32	PKPdf	PKPdf	19 21 30.8	+0.5
RDOG	Red Dog Mine	151.64	20	IAMS_20	IAMS_20	20 32 43.1	
RDOG	Red Dog Mine	151.64	20	PKPdf	PKPdf	19 21 30.3	-0.1
D17K	Noatak River	151.86	20	PKPdf	PKPdf	19 21 30.0	-0.6
TNA	Tin City	151.92	27	PKPdf	PKPdf	19 21 31.0	+0.1
KEKH	Kekaha	152.00	132	PKPdf	PKPdf	19 21 31.6	-0.7
SUSD	Miller	152.25	286	IAMS_20	IAMS_20	20 35 19.8	
D19K	Kuna River	152.37	16	PKPdf	PKPdf	19 21 30.2	-1.3
D19K	Kuna River	152.37	16	IAMS_20	IAMS_20	20 35 21.7	
D19K	Kuna River	152.37	16	PKPdf	PKPdf	19 21 31.2	-0.3
C20K	Knieflade Rid	152.42	13	PKPdf	PKPdf	19 21 32.0	+0.4
D21K	Etiivuk River	152.48	15	PKPdf	PKPdf	19 21 31.5	-0.2
F14K	Arctic Creek	152.49	26	PKPdf	PKPdf	19 21 31.7	0.0
E17K	Hotham Inlet	152.65	20	PKPdf	PKPdf	19 21 31.7	-0.2
C24K	Franklin Bluff	152.74	8	IAMS_20	IAMS_20	20 43 58.3	
C24K	Franklin Bluff	152.74	8	PKPdf	PKPdf	19 21 32.3	+0.4
C36M	Paulatuk	152.80	350	PKPdf	PKPdf	19 21 30.7	-1.3
F15K	North Star Dit	152.85	24	IAMS_20	IAMS_20	20 33 57.1	
F15K	North Star Dit	152.85	24	PKPdf	PKPdf	19 21 32.2	0.0
C26K	Camden Bay	152.88	6	PKPdf	PKPdf	19 21 32.6	+0.5
D22K	Aiyikyak River	153.00	12	IAMS_20	IAMS_20	20 38 18.6	
D22K	Aiyikyak River	153.00	12	PKPdf	PKPdf	19 21 32.8	+0.4
MDND	Maddock	153.15	293	PKPdf	PKPdf	19 21 31.6	-1.6
E11K	Killik River	153.19	13	IAMS_20	IAMS_20	20 39 08.2	
E21K	Killik River	153.19	13	PKPdf	PKPdf	19 21 32.4	-0.3
D23K	Nanushuk River	153.21	10	PKPdf	PKPdf	19 21 33.5	+0.8
C27K	Jago River	153.25	5	PKPdf	PKPdf	19 21 32.9	+0.2
D24K	Happy Valley	153.26	9	IAMS_20	IAMS_20	20 30 46.3	
D24K	Happy Valley	153.26	9	PKPdf	PKPdf	19 21 33.0	+0.2
F17K	Baldwin Pennin	153.28	21	IAMS_20	IAMS_20	20 36 51.7	
D17K	Baldwin Pennin	153.28	21	PKPdf	PKPdf	19 21 32.8	0.0
F25K	Kavik River	153.35	7	PKPdf	PKPdf	19 21 31.5	-1.4
D25K	Kavik River	153.35	7	PKPbc	sPKPbc	19 21 41.0	+0.5
D25K	Kavik River	153.35	7	PKPbc	pPKPbc	19 21 52.7	+0.2
D25K	Kavik River	153.35	7	PKPdf	PKPdf	19 21 32.5	-0.4
ANM	Nome	153.39	27	IAMS_20	IAMS_20	20 34 16.1	
ANM	Nome	153.39	27	PKPdf	PKPdf	19 21 33.2	+0.2
E19K	Redstone River	153.43	17	PKPdf	PKPdf	19 21 33.0	-0.1
G15K	Niuluk	153.53	25	PKPdf	PKPdf	19 21 32.4	-0.8
TOLK	Toolik Lake Re	153.66	10	PKPdf	PKPdf	19 21 33.9	+0.5
D28M	Stokes Point	153.73	1	PKPdf	PKPdf	19 21 33.7	+0.3
G16K	Koyuk River	153.76	23	PKPdf	PKPdf	19 21 33.5	0.0
D27M	Malcolm River	153.76	3	PKPdf	PKPdf	19 21 33.3	-0.3
E22K	Anaktuvuk Pass	153.82	12	PKPdf	PKPdf	19 21 32.2	-1.4
E22K	Anaktuvuk Pass	153.82	12	PKPbc	sPKPbc	19 21 43.8	+2.3
E22K	Anaktuvuk Pass	153.82	12	PKPbc	pPKPbc	19 21 55.5	+0.9
E22K	Anaktuvuk Pass	153.82	12	PKPdf	PKPdf	19 21 33.3	-0.1

F19K	Shalercukik Mo	153.83	18	IAMS_20	IAMS_20	20 40 40.8	
F19K	Shalercukik Mo	153.83	18	PKPdf	PKPdf	19 21 33.6	0.0
T25A	Trinidad	154.06	268	IAMS_20	IAMS_20	20 41 10.0	
T25A	Trinidad	154.06	268	PKPdf	PKPdf	19 21 35.0	-0.2
F20K	Avarant Lake	154.09	16	IAMS_20	IAMS_20	20 33 20.5	
F20K	Avarant Lake	154.09	16	PKPdf	PKPdf	19 21 33.8	-0.1
SRIG	Santa Rosalia	154.12	241	IAMS_20	IAMS_20	20 35 45.3	
G17K	Kiwalik Mouna	154.16	22	PKPdf	PKPdf	19 21 33.8	-0.3
FFC	Flin Flon	154.18	309	PKPbc	sPKPbc	19 21 31.9	-2.6
FFC	Flin Flon	154.18	309	PKPbc	sPKPbc	19 21 43.2	+0.6
FFC	Flin Flon	154.18	309	PKPbc	sPKPbc	19 21 57.8	+1.3
E23K	Chandalar	154.20	10	IAMS_20	IAMS_20	20 42 15.2	
E23K	Chandalar	154.20	10	PKPdf	PKPdf	19 21 34.3	0.0
121A	Cookes Peak, D	154.32	256	IAMS_20	IAMS_20	20 40 01.1	
121A	Cookes Peak, D	154.32	256	PKPdf	PKPdf	19 21 36.5	+0.8
E24K	Your Creek	154.33	9	IAMS_20	IAMS_20	20 33 13.5	
E24K	Your Creek	154.33	9	PKPdf	PKPdf	19 21 34.2	-0.1
H16K	Elmin	154.33	25	PKPdf	PKPdf	19 21 34.2	-0.2
F21K	Alatna River	154.37	14	PKPdf	PKPdf	19 21 34.8	+0.4
G18K	Tagagawik	154.38	20	IAMS_20	IAMS_20	20 37 15.0	
G18K	Tagagawik	154.38	20	PKPdf	PKPdf	19 21 34.1	-0.3
HSIG	comp=Z,8um,19.0s	154.41	245	IAMS_20	IAMS_20	20 36 55.3	
E28M	Babbage River	154.42	2	IAMS_20	IAMS_20	20 40 23.1	
E28M	Babbage River	154.42	2	PKPdf	PKPdf	19 21 33.9	-0.6
Y22D	NORASCAL I	154.51	260	PKPdf	PKPdf	19 21 36.5	+0.7
G19K	Purcell Mouna	154.55	18	IAMS_20	IAMS_20	20 38 23.0	
G19K	Purcell Mouna	154.55	18	PKPdf	PKPdf	19 21 35.0	+0.4
E25K	Arctic Village	154.59	7	IAMS_20	IAMS_20	20 43 31.2	
E25K	Arctic Village	154.59	7	PKPdf	PKPdf	19 21 34.5	-0.2
ANMO	Albuquerque	154.59	262	PKPbc	PKPdf	19 21 34.8	-1.2
ANMO	Albuquerque	154.59	262	PKIKP	MLR	19 21 34.8	-1.2
ANMO	Albuquerque	154.59	262	PKIKP	MLR	19 21 34.8	-1.2
INK	Inuvik	154.67	356	PKPdf	PKPdf	19 21 33.6	-1.1
E29M	Blow River	154.68	0	IAMS_20	IAMS_20	20 38 28.3	
E29M	Blow River	154.68	0	PKPdf	PKPdf	19 21 33.7	-1.1
319A	Douglas	154.72	252	IAMS_20	IAMS_20	20 44 03.7	
H17K	Granite Mouna	154.79	22	IAMS_20	IAMS_20	20 45 23.6	
H17K	Granite Mouna	154.79	22	PKPdf	PKPdf	19 21 35.0	0.0
E27K	Coleen River	154.79	4	PKPbc	sPKPbc	19 21 33.7	-1.3
E27K	Coleen River	154.79	4	PKPbc	sPKPbc	19 21 45.8	+2.3
E27K	Coleen River	154.79	4	PKPbc	sPKPbc	19 21 50.8	+2.1
E27K	Coleen River	154.79	4	PKPdf	PKPdf	19 21 34.5	-0.5
COLD	Coldfoot	154.90	12	PKPdf	PKPdf	19 21 35.0	-0.1
F24K	Squaw Lake	154.93	9	IAMS_20	IAMS_20	20 39 50.7	
F24K	Squaw Lake	154.93	9	PKPdf	PKPdf	19 21 35.2	0.0
G22K	Bettles	154.98	13	PKPdf	PKPdf	19 21 35.1	-0.1
G21K	Allakak	154.99	15	PKPdf	PKPdf	19 21 34.9	-0.3
H18K	Honhosa River	155.04	21	IAMS_20	IAMS_20	20 38 05.1	
H18K	Honhosa River	155.04	21	PKPdf	PKPdf	19 21 35.4	0.0
F25K	Christian River	155.10	7	PKPdf	PKPdf	19 21 35.4	-0.1
F26K	Shreenjek River	155.13	6	PKPdf	PKPdf	19 21 34.6	-0.8
F26K	Shreenjek River	155.13	6	PKPab	sPKPab	19 22 01.5	+1.3
F26K	Shreenjek River	155.13	6	PKPab	sPKPab	19 23 44.6	
F26K	Shreenjek River	155.13	6	PKPdf	PKPdf	19 21 35.3	-0.1
J14K	Nanvananak Lak	155.19	29	PKPdf	PKPdf	19 21 36.1	+0.5
H19K	Roundabout Mou	155.21	19	IAMS_20	IAMS_20	20 43 02.4	
H19K	Roundabout Mou	155.21	19	PKPdf	PKPdf	19 21 36.1	+0.5
Q24A	Divide	155.28	271	PKPdf	PKPdf	19 21 35.9	-1.1
K13K	Kusilvik Mount	155.30	31	PKPdf	PKPdf	19 21 35.4	-0.3
I17K	Unalakleet	155.34	25	IAMS_20	IAMS_20	20 34 38.5	
I17K	Unalakleet	155.34	25	PKPdf	PKPdf	19 21 35.5	-0.3
BMAR	Burnt Mountain	155.35	6	PKPdf	PKPdf	19 21 34.5	-1.3
G23K	Bananza Creek	155.41	12	IAMS_20	IAMS_20	20 40 45.1	
G23K	Bananza Creek	155.41	12	PKPdf	PKPdf	19 21 36.5	+0.6
F28M	Old Crow	155.43	2	PKPdf	PKPdf	19 21 35.1	-0.7
F30M	Barrow River	155.44	358	PKPdf	PKPdf	19 21 35.4	-0.5
F31M	Tsigithechic	155.54	356	PKPdf	PKPdf	19 21 34.7	-1.2
M11K	Mekoryuk	155.56	35	PKPdf	PKPdf	19	

22d 19h

Table with columns: Station Name, IAMS, IAMS_20, PKPdf, PKPab, PKP, P, Res. Includes stations like MCK McKinley, TRF Thorofare Moun, L19K White Mountain, etc.

2019 JAN

Table with columns: Station Name, IAMS, IAMS_20, PKPdf, PKPab, PKP, P, Res. Includes stations like PWL Port Wells, O22K Cooper Landing, YUK3 York Creek, etc.

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Table with columns: Station Name, IAMS, IAMS_20, PKPdf, PKPab, PKP, P, Res. Includes stations like TKGZ Te Karaka, URZ Urewera, URZ Urewera, etc.

IDD 22 19:05:53.1±7.9, 32.43S±179.90E, h422km, 98km, mb2.8/2, mbtmp3.0/3, Error ellipse: s-maj=112.7km s-min=45.6km az=5.0

WEL 22 19:05:56.0±7.2, 32.12S±178.08W, h312km, 12km, M4.7/30, Mb5.2/24, ML5.0/20, MLv5.0/19, Mw(m)/6.3/30, Error ellipse: s-maj=26.8km s-min=4.4km az=110.9

ISC 22 19:05:49.8±1.0, 32.16S±179.39W, h2.0, 4400km, n45, #251/67, South of Kermadec Islands

IDD 22 19:18:27.4±2.7, 32.32N±139.25E, h0km, mb3.6/5, mbtmp3.6/5, MS3.7/1, Error ellipse: s-maj=117.1km s-min=28.1km az=71.0

JMA 22 19:19:13.0±0.4, 32.7N±133.8E, h463km, MV3.0/24, #131/15, mb2.9/5, Southeast of Honshu

ISC 22 19:18:16.0±1.1, 32.0N±138.0E, h450km, n13, #131/15, mb2.9/5, Southeast of Honshu

Table with columns: Code, Station Name, IAMS, IAMS_20, PKPdf, PKPab, PKP, P, Res. Includes stations like JHJ2 Mitsune, JWY Koyua, JNY Koyua, etc.

IDD 22 19:25:34.1±2.6, 0.89N±127.24E, h0km, mb3.2/3, mbtmp3.3/3, Error ellipse: s-maj=233.8km s-min=26.6km az=66.0, Halmahera

WRA Warramunga Arr 21.84 162 P Pn 19 21 47.1 +0.6

ASAR Alice Springs 25.25 166 P 19 21 47.1 +0.2

MKAR Makanchi Array 60.17 326 P 19 21 47.7 +0.2

IDD 22 19:46:49.5±2.2, 5.97S±129.77E, h0km, mb3.5/1, mbtmp3.4/4, ML3.4/3, Error ellipse: s-maj=100.2km s-min=27.7km az=76.0, Banda Sea

Code Station Name IAMS IAMS_20 PKPdf PKPab PKP P Res

FITZ Fitzroy Crossi 12.71 198 Pn 19 21 47.5 +0.2

WRA Warramunga Arr 14.58 163 Pn 19 21 47.5 +0.2

ASAR Alice Springs 18.04 168 P 19 21 47.5 +0.2

WRA Warramunga Arr 14.58 163 Pn 19 21 47.5 +0.2

ASAR Alice Springs 18.04 168 P 19 21 47.5 +0.2

WRA Warramunga Arr 14.58 163 Pn 19 21 47.5 +0.2

ASAR Alice Springs 18.04 168 P 19 21 47.5 +0.2

WRA Warramunga Arr 14.58 163 Pn 19 21 47.5 +0.2

ASAR Alice Springs 18.04 168 P 19 21 47.5 +0.2

WRA Warramunga Arr 14.58 163 Pn 19 21 47.5 +0.2

ASAR Alice Springs 18.04 168 P 19 21 47.5 +0.2

WRA Warramunga Arr 14.58 163 Pn 19 21 47.5 +0.2

ASAR Alice Springs 18.04 168 P 19 21 47.5 +0.2

Table with columns: Call sign, Name, Frequency, Mode, Band, and other parameters. Includes stations like MMLI, KOT, SALP, HAGOAL, etc.

Table with columns: Call sign, Name, Frequency, Mode, Band, and other parameters. Includes stations like DOPR, DNZZ, GZUR, etc.

Table with columns: Call sign, Name, Frequency, Mode, Band, and other parameters. Includes stations like KEST, BIOC, ABTA, etc.

22d 21h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BO03 Pichilemu, GO05 Hualene, MT01 Popeta, BO01 Tunga, etc.

ICD 22 20:31:16.6:2.2, 9:29S: 123.93E, h124km, 29km, mb2.9/2, mbmp3.6/5, Error ellipse: s-maj=84.5km s-min=25.0km az=56.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SOE Soe, BATI Baumata, BATI Darwin Rock St, etc.

SSNC 22 20:42:58.4:1.2, 19:55N: 73:24W, h2km, 7km, MD3.4, ML3.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MASC Masc, MCDR Montecristi, QMBU Quimbuelo, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PAPH Port-au-Prince, NMDO Nuevo Mundo, MOAC Moa, etc.

SOME 22 21:07:20.4, 43:12N: 78:37E, h10km, NNC 22 21:07:20.7, 1.7, 43:10N: 78:35E, h0km, mb2.8, mpv3.1, 2D, Error ellipse: s-maj=14.8km s-min=11.2km az=2.0, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SATY Saty, ZHN Zhinshike, ZHN Zhinshike, etc.

ICD 22 21:11:06.5:1.6, 3:89S: 127:29E, h0km, mb3.4/3, mbmp3.5/4, ML3.1/1, Error ellipse: s-maj=147.9km s-min=25.1km az=68.0

DJA 22 21:11:10.0:3.4, 3:53S: 127:29E, h10km, M4.0/7, mb4.2/3, MLV3.9/7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NLAI Namlea, BNDI Bandanaira, BWSI Bau Bau, etc.

ICD 22 21:28:29.4:2.0, 14:05S: 170:47E, h641km, 24km, mb3.2/9, mbmp4.1/10, Error ellipse: s-maj=42.8km s-min=15.4km az=140.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, PETK Petropavlovsk, CMAR Chiang Mai Arr, etc.

ICD 22 21:30:49.0:0.9, 37:70N: 20:82E, h0km, mb3.8/1.1, mbmp3.6/20, ML3.5/7, Error ellipse: s-maj=18.9km s-min=14.7km az=19.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LTHK Lithakia, LTHK Lithakia, ORTH Orthonies, Zaky, etc.

DMLN Damouliana-Ta 0.62 336 P S Pg Sg 21 31 02.9 +0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RLS Riolo of Patr, RLS Riolo of Patr, RLS Riolo of Patr, etc.

EVGI Lefkada island 0.94 358 P S Pg Sg 21 31 07.8 -1.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DRAG Dragano-Lefkada, NYDR Nydri-Lefkada, NYDR Nydri-Lefkada, etc.

LKD2 Lefkada island 1.11 359 P Pg 21 31 10.8 -1.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ANX Ano Chora, ANX Ano Chora, ANX Ano Chora, etc.

ISN 22 21:57:30.0:1.1, 34°67'N-46°23'E, h16km, ML2.9
TEH 22 21:57:30.0:4, 34°63'N-46°22'E, h8km, 22km
ISC 22 21:57:29.3:1.2, 34°73'N-0°04'-46°28'E, 0°04', h10km, 9km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IDHR, IGHG, ILIN, KGS1, GLG1, etc.

IDC 22 21:58:48.3:4, 10°04'S-119°18'E, h0km, mb3.4/1,
mbtmp3.1/3, ML2.7/2, Error ellipse: s-maj=268.3km
s-min=31.4km az=49.0, Sumba region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR, etc.

IDC 22 22:19:09.8:9, 3, 37°42'N-70°46'E, h0km, mb3.5/1,
mbtmp3.8/4, ML3.2/3, MS3.7/1, Error ellipse:
s-maj=165.2km s-min=29.5km az=160.0,
NINC 22 22:19:10.5:8.1, 37°70'N-69°85'E, h0km, mb4.0, mpv3.7,
Error ellipse: s-maj=77.9km s-min=36.4km az=169.0,
ISC 22 22:19:12.3:2.9, 37°71'N-69°38'E, 0.1, h10km, n10,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KK31, AB31, KURBB, AKTO, BVAR, ZALV, KBZ, MJAR, etc.

RHSSO 22 22:23:30.9:0.2, 43°15'N-18°00'E, h5km, 2km, ML2.8/14
PDG 22 22:23:30.9:0.0, 43°12'N-17°99'E, h13km, MDZ.92,
ML2.8/11, Error ellipse: s-maj=0.1km s-min=0.0km
az=90.0

BEO 22 22:23:31.2:0.3, 43°17'N-17°94'E, h3km, 2km, ML2.5/6
ISC 22 23:30.4:1.1, 43°16'N-0°02-17°99'E, 0.01, h1km, 9km,
n77, c086/137, 14C-7D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STON, KALIN, BRY, UPM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DRME, DRME, DRME, DRME, etc.

BGR 22 22:35:29.8:0.4, 50°08'N-18°48'E, h1km, ML3.6/12, Error
ellipse: s-maj=6.7km s-min=5.6km az=165.0,
VIE 22 22:35:29.4:0.2, 50°11'N-18°44'E, h0km, mb3.1/10, ml3.2/9,
Error ellipse: s-maj=3.0km s-min=1.7km az=158.0,
Suspected Mining Induced.

IDC 22 22:35:29.9:0.6, 49°95'N-18°49'E, h0km, mb3.5/6,
mbtmp3.5/12, ML3.3/7, MS3.9/1, Error ellipse:
s-maj=10.8km s-min=6.3km az=155.0,
IPEC 22 22:35:29.9:0.1, 50°09'N-18°47'E, h1km, ML3.5/5, Error
ellipse: s-maj=1.6km s-min=1.0km az=171.0,
NEIC 22 22:35:30.1:1.3, 50°11'N-0°09-18°46'E, 0.04, h0km, 7km,
mb3.9/2, Error ellipse: s-maj=13.0km s-min=1.9km
az=165.0

PRU 22 22:35:31.3:0.5, 08°08'N-18°38'E, h0km, M3.9,
ISC 22 22:35:28.3:0.5, 50°14'N-0°02-18°47'E, 0.02, h0km, n129,
c141/182, mb3.6/8, 8C-9D, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VRAC, VRAC, VRAC, VRAC, etc.

Table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like TUE Stuetta, FABU Falkenberg, SLIT Slitere, etc.

PRE 22:22:43:31.9:0.9,17.05S:35.10E,h5km,ML2.8
ISC 22:23:26.6:1.6,16.87S:0.07:35.3E:0.1,1h10km,n9,
c#386/18,Malawi

Table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like ZOMB Zomba, ZOMB ZOMB, LSZ Lusaka, etc.

FUNV 22:23:11:46.5,10.70N:63.22W,h2km,MW3.5
TRN 22:23:11:50.2,10.65N:63.20W,h63km,MD3.4,Paria peninsula.

ISC 22:23:11:45.9:1.0,10.8N:0.1:63.25W:0.06,h10km,n8,
c#136/12,Near coast of Venezuela

Table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like CUMV Cumana, PRCV Puerto La Cruz, TRN Trinidad, etc.

IDC 22:23:37:10.9:1.6,0.68N:124.66E,h0km,mb3.5/4,
mbtpm3.5/4,Error ellipse: s-maj=189.7km
s-min=22.4km az=64.0,Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like WRA Warramunga, ASAR Alice Springs, MKAR Makanchi, etc.

TEH 22:23:50:23.3,28.45N:56.99E,h11km,14km
OMAN 22:23:50:27.5:0.1,28.26N:56.92E,h10km,mb4.7/7,
mb3.7/17,Error ellipse: s-maj=1.5km s-min=1.2km az=1.0

IDC 22:23:50:28.4:2.8,28.30N:56.98E,h66km,31km,mb3.3/11,
mbtpm3.7/12,ML3.8/1,Error ellipse: s-maj=19.9km
s-min=16.7km az=96.0

DSN 22:23:50:29.4:1.4,28.27N:56.48E,h10km,ML3.5/11,Error
ellipse: s-maj=18.3km s-min=9.9km az=62.0

ISC 22:23:50:23.2:0.6,28.48N:0.03:56.98E:0.04,h10km,n81,
c#188/103,mb3.7/10,Southern Iran

Table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like KHNU Kahnoji, IBND Bandar-abas, NGRK Negar Kerman, etc.

Main table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like KRM1 Kerman, LARI LAR, SHME Sham, etc.

Table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like GLG1 Gilan-e-Gharb, KGS1 Ghasr-e-Shirin, ILBA Iliam Banvizeh, etc.

SJA 23:00:26:26.2:1.9,21.29S:70.59W,h15km,ML3.4,MW3.5
GUC 23:00:26:31.5:0.5,21.29S:70.53W,h13km,8km,ML3.5
ISC 23:00:26:25.5:1.7,21.26S:0.03:70.72W:0.06,h10km,11km,
n25,c#129/42,2C-1D,Near coast of northern Chile

Table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like TA01 Diego Aracena, TA01 Diego Aracena, TA02 Huaquique, etc.

SNET 23:00:29:23.3:0.8,13.30N:91.79W,h20km,ML3.6
IDC 23:00:29:25.9:7.4,13.52N:91.06W,h0km,mb3.2/2,
mbtpm3.3/4,ML3.7/2,Error ellipse: s-maj=216.5km
s-min=53.3km az=30.0

GCG 23:00:29:26.7:1.4,13.31N:91.50W,h11km,20km,MD4.9,
Hyocentron not reviewed by the ISC

CATAC 23:00:29:23.8:0.7,14.74N:83.90W,h25km,5km,M2.4/7,
ML2.4/7,Error ellipse: s-maj=17.5km s-min=8.2km
az=51.9

ISC 23:00:29:24.8:1.7,12.8N:0.1:91.40W:0.07,h28km,n22,
c#12/24,Off coast of central America

Table with columns: Code, Station Name, Delta, AZ, Phase, ID, Time, Res. Includes stations like NUBE Las Nubes, NUBE Las Nubes, NUBE Las Nubes, etc.

ISN 23:00:26:05.4:1.3,34.15N:45.54E,h8km,7km,ML3.2
TEH 23:00:26:06.2:34.14N:45.59E,h12km,56km
ISC 23:00:26:06.4:1.1,34.15N:0.03:45.56E:0.04,h12km,11km,
n12,c#09/18,Iran-iraq border region

0.3nm,0.5s,baz=4.5,slow=7.4,SNR=1.8
NOA NORSAR Array B 77.00 338 LR LR 03 34 35.4
comp=Z,44nm,18.9s,baz=345,slow=41

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SJA, GUC, AC01, AC02, AC06, GO02, PB14, LCO, VCA, FSA, PB04, PB01.

NEIC 23 03:45:40.9-1.4, 17.85N, 0.06:68.42W, 0.07, h35km, 2km, ML2.3/18, Md2.9(RSPR), Error ellipse: s-maj=14.8km s-min=3.8km az=227.0
SDD 23 03:45:41.3-1.1, 18.56N, 68.21W, h19km, 37km, Md2.9, ML2.0, MW2.2
RSPR 23 03:45:42.2, 18.01N, 68.39W, h59km, 8km, Md2.9/9
ISC 23 03:45:38.6-2.1, 17.8N, 0.1:68.51W, 0.07, h35km, n45, e082/38, 7C-5D, Mona Passage

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCDR, CRPR, MLPR, AOPR, UUPR, OBIP, CELP.

mbtmp3.4/7, Error ellipse: s-maj=31.8km s-min=18.4km az=122.0
ISC 23 04:46:25.3-0.9, 12.6N, 0.2:143.2E, 0.2, h28km, n11, e159/9, mb3.57, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUMO, H1N1, H1N2, H1N3, WRA, ASAR, MKAR, KURBB, ILAR, YKA, NVAR.

SDD 23 03:52:56.7-2.7, 18.58N, 69.17W, h105km, 11km, MD3.4, ML2.7, MW2.8
RSPR 23 03:52:57.1, 19.06N, 68.92W, h87km, 7km, MD3.5/11
NEIC 23 03:52:58.3-1.0, 19.04N, 0.10:68.9W, 0.1, h35km, 2km, ML2.6/18, Md3.5/11 (RSPR), Error ellipse: s-maj=17.4km s-min=1.5, 2km az=226.0

ISC 23 03:52:55.5-1.7, 18.8N, 0.1:69.07W, 0.05, h102km, 9km, n51, e1506/62, 19C-9D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HATOM, HIDR, SADR, PCDR, BANI, IDE, AGPR, CRPR, MLPR, AOPR, UUPR, OBIP, CELP.

INMG 23 04:17:11.9-1.2, 36.67N, 11.48W, h36km, ML2.7, Error ellipse: s-maj=4.2km s-min=2.6km az=82.0
#DIST RANGE: REGIONAL #IPMA_REGION: Gorringe
IGL 23 04:17:12.7, 36.67N, 11.46W, h31km, ML2.7
ISC 23 04:17:09.0-1.7, 36.63N, 0.04:11.43W, 0.09, h35km, n190, e181/249, 18C-2D, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PFVI, MORF, PTEO, LISB, MESJ, BARR, PVAQ, PBEJ, EGRO, EVO, PMTG, PSBE, PESTR, PBAR, EMIN, PCAS.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Rabaul, Honiara, Port Moresby, Warramunga Arr, etc.

IDC 23 05:04:02.2-2.9, 34.32N-45.61E, h0km, mb4, 0/6, m25p4, 0/8, ML3.5/2, MS3.9/2, Error ellipse: s-maj=55.2km s-min=26.9km az=174.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Ghasr-e-Shirin, Gilan-e-Gharb, etc.

IDC 23 05:13:12.5-1.5, 14.01N-144.85E, h0km, mb3.3/4, mb3.3/4, Error ellipse: s-maj=57.0km s-min=30.5km az=97.0, Mariana Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Makanchi Array, Kurbs Kurchatov Arra, etc.

SDD 23 05:18:24.2-1.4, 17.23N-65.46W, h36km, 590km, MD3.5, ML2.3, MW2.4 RSPR 23 05:18:25.9, 17.51N-65.44W, h12km, 29km, MD3.0/9 NEIC 23 05:18:26.2-1.5, 17.51N-65.57W, 0.04, h25km, 5km, ML3/22, MD3.0/9(RSPR), 4C-6D, Error ellipse: s-maj=97.7km s-min=4.6km az=201.0, Puerto Rico region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Patillas Dam, Patillas Dam, InterUniversit, etc.

TEH 23 05:28:49.1, 34.35N-45.63E, h12km, 29km ISN 23 05:28:50.0, 1.1, 34.38N-45.63E, h23km, 80km, ML2.9 ISC 23 05:28:49.6-1.1, 34.35N-45.63E, 0.04, h15km, 13km, n12, c048/15, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Ghasr-e-Shirin, Gilan-e-Gharb, etc.

SJA 23 05:38:23.6-0.7, 22.36S-69.17W, h120km, 7km, ML3.4, MW3.5 GUC 23 05:38:25.9-0.7, 22.40S-69.03W, h99km, 4km, ML3.4 ISC 23 05:38:24.0-1.4, 22.39S-69.03W, 0.03, 69.12W, 0.05, h115km, 10km, n26, c163/42, SC-1D, Northern Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IPOC Station P, IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Punta Patache, IPOC Station P, etc.

MOS 23 05:41:46.6-0.9, 61.58N-150.33W, h58km, mb5.0/30, Error ellipse: s-maj=15.2km s-min=5.7km az=93.2 NEIC 23 05:41:47.8-1.6, 61.51N-150.04-150.23W, 0.05, h49km, 4km, Error ellipse: s-maj=6.1km s-min=3.5km az=182.0 Moment Tensor Solution. Moment tensor: Scale 10^15Nm; Mxx:6.46; Myy:2.27; Mzz:4.19; Mxy:1.38; Myz:1.3; Mzx:1.3; Fault plane solution: Mo8.12000x10^15 NP1:24.260000, 323.130000, -102.640000, NP2:217.970000, 367.460000, -84.660000. Principal axes: T:7.1551, P:2.0000, N:3.040000; Azm304.0000; N:1.6775, P:65.0000, Azm36.0000; P:-8.6326, P:67.0000; Azm138.0000. IDC 23 05:41:47.9-0.7, 61.52N-150.40W, h58km, 5km, mb4.2/25, mbmp4.5/23, MS3.7/44 Error ellipse: s-maj=11.3km s-min=10.2km az=53.0 NEIC 23 05:41:48.7, 61.47N-150.19W, h44km AEIC 23 05:41:48.9-2.1, 61.50N-150.04-150.24W, 0.05, h46km, 5km, ML4.5, mb4.8/228(NEIC), ML4.7/184(NEIC), Mw4.5/98(NEIC), Error ellipse: s-maj=6.1km s-min=3.5km az=183.0 ANF 23 05:41:48.5-0.1, 61.48N-150.22W, h41km, 1km, ML4.9/105, ML4.9/106, Error ellipse: s-maj=0.9km s-min=0.6km az=8.0 BGR 23 05:41:55.2, 62.99N-151.21W, h33km, mb4.9 ISC 23 05:41:57.0-0.4, 61.51N-150.03-150.22W, 0.02, h52km, 3km, h51km, comp-P, n793, c1507/676, mb4.7/200, MS3.7/40, 28C-12D, Southern Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Willow, Susilna One, Rabbit Creek A, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Chulitna, Mount Spurr, Sawmill, and various repeaters.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Port Alsworth, HAARP, Minchumin, and various repeaters.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Sunshine Point, Kvichak River, Kodiak Island, and various repeaters.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FETA, KBA, SENINI, ARZBERG, FUORN, TUE, BURAR, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WBNET, LBCW, NKC, STCW, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASRS, IDC, ZALV, ZALV, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB, MKAR, IDC, ISC, WRA, ASAR, SONM, ILAR, MKAR, QSPA.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RSN, GRIC, BBAC, MALC, POPC, CRUC, JAMC, YAMC, YOTC, YOTC, PLMC, PLMC, GARC, GARC, ORTC, ANIL, PRAC, GUVC, URMC, MACC, VILC, CHIC.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NNC, SMC, ISC, DJR, DJR, MKJ1, MAKZ, MAKZ, PDGK, UZB, ZSN, ZSN, KPKS, KPKS.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC, VAO, NNA, NNA, NNA, PB12, PB18, CZSB, ATAH, ATAH, ATAH, HMCB, TA01, G001, PB01, PB01, ETMB, ETMB, COHC, SIV, SIV, OTAV, VILB, FLOCC, FLOCC, PTBL, MURT, H03N1, H03N2, H03N3, PDRB.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BQDN, SALV, CPUP, CPUP, CPUP, NPGB, AMBA, ITTB, BOAV, BOAV, SDV, SDV, SNDB, BAUV, ITRB, LDASE, JTS, PCRV, BDFB, BDFB, MDP, RPN, RPN, CMRG, TKL, TXAR, ANMO, ANMO, DBIC, QSPA, FRB, TORD, YKA, H1N3, H1N2, H1N1, H1S2, H1S1, H1S3.

KRNET 23 06:25:24.1±0.1, 39°26'N, 77°17'E, mb2.9
SOME 23 06:25:24.2, 39°48'N, 76°92'E, h15km
NNC 23 06:25:25.9±1.4, 39°55'N, 76°91'E, h0km, mb3.7, mpv3.3

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB, SONM, KURBB, SONM, KURBB, SONM.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TARG, TARG, KDJ, KDJ, SFK, SFK, SALK, SALK, ULALH, ULALH, ARLS, ARLS, BOOM, BOOM, UCH, UCH, ANVS, ANVS, KBK, KBK, TNSS, TNSS, TNSS, TNSS, AML, AML, KST, KST, KST, KST, AAK, AAK, MTBS, MTBS, MTBS, MTBS, MDOK, MDOK, MDOK, MDOK, SATY, SATY, SATY, SATY, KOTS, KOTS, KOTS, KOTS, DGS, DGS, DGS, DGS, DGS, DGS.

23d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like UZB Uzynbulak, SHLS Shalkode, KPKS Kokpek, etc.

NEIC 23 06:29:48.6±2.0, 18.1°S; 0.2±178.3W; 0.2, h551km, 9km, mb4.2/16, Error ellipse: s-maj=24.5km s-min=21.2km az=160.0

IDC 23 06:29:51.2±3.6, 17.80S; 178.73W, h569km, 21km, mb3.2/4, mbtmp4.2/5, Error ellipse: s-maj=122.9km s-min=26.5km az=142.0

ISC 23 06:29:50.2±0.9, 17.9S; 0.2±178.4W; 0.2, h579km, n30, +151/32, mb4.2/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MSVF Nonavsu, FUTU Fugatoga, NIUE Niue, etc.

ASRS 23 06:34:37.0±0.9, 53.74N; 88.19E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 06:34:33.7±4.1, 54.21N; 88.60E, h0km, mbtmp2.5/3, ML2.0/2, Error ellipse: s-maj=39.7km s-min=24.6km az=33.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 23 06:39:19.1±1.8, 14.72S; 0.06±71.90W; 0.09, h92km, 6km, mb4.3/22, Error ellipse: s-maj=13.2km s-min=8.2km az=60.0

ISC 23 06:39:19.2±0.4, 14.70S; 0.06±71.92W; 0.07, h100km, n84, +152/85, mb4.1/19, Central Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB18 Visivri, AP01 Chacalluta, etc.

2019 JAN

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB12 IPOC Station P, NNA Nana, GO01 Chusmiza, etc.

IDC 23 06:40:35.4±0.9, 29.45N; 104.60E, h0km, mb3.8/12, mbtmp3.8/12, M3.3/2, Error ellipse: s-maj=30.0km s-min=16.8km az=54.0

ISC 23 06:40:40.6±1.1, 29.5N; 0.2±104.6E; 0.2, h35km, n13, +060/12, mb3.8/11, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KSR5 Korea Array, MKAR Makanchi Array, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, BRTR Keskinn Array B, AKASO Malin Array B, etc.

ASRS 23 06:48:11.0±1.0, 53.82N; 88.17E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 06:48:11.0±6.3, 53.73N; 88.16E, h0km, mbtmp2.8/2, ML2.0/2, Error ellipse: s-maj=30.4km s-min=19.9km az=47.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

NEIC 23 06:53:06.4±1.6, 18.63S; 0.05±71.04W; 0.06, h10km, 8km, mb4.1/2, Error ellipse: s-maj=9.5km s-min=5.6km az=130.0

GUC 23 06:53:07.0±4.0, 18.62S; 71.05W, h20km, 10km, MLL3.6 IDC 23 06:53:15.0±6.0, 18.58S; 70.62W, h94km, 50km, mb3.3/4, mbtmp3.7/5, M3.3/4, Error ellipse: s-maj=54.3km s-min=28.9km az=121.0

ISC 23 06:53:05.7±1.7, 18.59S; 0.04±70.96W; 0.07, h14km, 10km, n49, +152/52, mb3.7/4, 1D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB12 IPOC Station P, AP01 Chacalluta, etc.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like NORASR Subarra151,77 350, NOA NORASR Array B, MMAI Mount Meron Ar, etc.

IDC 23 07:09:02.3.1, 401.007S:174.95E, h109km, 24km, mb4.3/6, mbtmp4.6/8, Error ellipse: s-maj=31.0km s-min=18.4km

NEIC 23 07:09:03.1.2, 39.88S:0104.174.93E, h111km, 7km, mb4.9/21, Error ellipse: s-maj=7.6km s-min=2.4km

WEL 23 07:09:04.2, 39.86S:175.03E, h126km, ML4.7, Mw4.6, Moment Tensor Solution, Sbc Moment tensor, Scale 1016 Nm, etc.

WEL 23 07:09:04.3, 40.7, 40.5d, 17.5E, h95km, 7km, ML5.2/26, MLv4.9/28, Error ellipse: s-maj=6.4km s-min=5.7km

ISC 23 07:09:03.2, 0.6, 39.89S:0103.174.92E, h113km, 5km, n175, 0897/190, mb4.9/16, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like WAZ Wanganui, OHWZ Ohakea, LREZ Lake Rotokare, etc.

Main table with columns: Station Name, Az, Phase ID, Time, Res. Lists stations like PRHZ Porangahau, HZH Hauiti, WEL Wellington, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MMAI Mount Meron Ar, BRTR Keskin Array B, TORD Torodi Ar, etc.

s-min=36.4km az=142.0, Fiji Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
WRA	Warramunga Arr	46.40	259	P	P	P	07	32	32.8	-0.4		
0.9nm, 0.4s, baz=95, slow=7.0, SNR=33 0.3nm, 0.4s												
ASAR	Alice Springs	46.52	254	P	P	P	07	32	34.0	+0.1		
2.5nm, 0.6s, baz=89, slow=7.5, SNR=36 0.2nm, 0.6s												
ILAR	Eielson Array	85.56	12	P	P	P	07	36	44.1	0.0		
2.0nm, 0.4s, baz=216, slow=4.5, SNR=5.4 0.2nm, 0.4s												

ASRS 23 07:25:57.0±0.6, 54.73N, 86.69E, h0km, M2.9, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 07:26:03.0±0.2, 54.58N, 86.51E, h0km, mbtmp3.5/3, ML3.0/3, Error ellipse: s-maj=23.0km s-min=13.1km az=59.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
I46RU	ZALESOVO INFRA	1.18	238	I	P	P	07	33	18.1			
baz=54, slow=341, SNR=9.6												
ZALV	Zalesovo Beam	1.18	238	Pg	Pg	Pg	07	26	24.1	-1.5		
8.9nm, 0.3s, baz=53, slow=17, SNR=74												
ZALV	Zalesovo Beam	1.18	238	Lg	Lg	Lg	07	26	41.9			
4.1nm, 0.3s, baz=53, slow=27, SNR=6.2												
KURBB	Kurchatov Arra	6.27	234	Pn	Pn	Pn	07	27	37.0	+0.3		
0.3nm, 0.3s, baz=54, slow=15, SNR=14.7												
KURBB	Kurchatov Arra	6.27	234	Lg	Lg	Lg	07	29	23.8			
baz=56, slow=34, SNR=2.7 2.2nm, 0.5s												
MKAR	Makanchi Array	8.24	201	Pn	Pn	Pn	07	28	04.3	+0.5		
0.5nm, 0.3s, baz=24, slow=14, SNR=17												
MKAR	Makanchi Array	8.24	201	Sn	Sn	Sn	07	29	36.2	-1.4		
0.1nm, 0.3s, baz=24, slow=27, SNR=3.9												
MKAR	Makanchi Array	8.24	201	Lg	Lg	Lg	07	30	24.9			
0.1nm, 0.3s, baz=23, slow=30, SNR=4.0 0.8nm, 0.3s												
BVAR	Borovyoye Array	9.67	267	Pn	Pn	Pn	07	28	23.9	+0.7		
0.1nm, 0.5s, baz=69, slow=16, SNR=5.4 0.9nm, 0.4s												

IDC 23 07:34:38.2±2.9, 53.93N, 86.52E, h0km, mbtmp2.5/2, ML2.3/2, Error ellipse: s-maj=23.0km s-min=13.6km az=68.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
I46RU	ZALESOVO INFRA	1.01	272	I	P	P	07	40	28.3			
baz=88, slow=339, SNR=1.5												
ZALV	Zalesovo Beam	1.01	272	Pg	Pg	Pg	07	34	56.7	-0.8		
0.6nm, 0.3s, baz=94, slow=17, SNR=16.7												
ZALV	Zalesovo Beam	1.01	272	Lg	Lg	Lg	07	35	11.8			
0.9nm, 0.3s, baz=94, slow=29, SNR=5.9												
KURBB	Kurchatov Arra	5.92	239	Pn	Pn	Pn	07	36	08.0	+1.0		
baz=56, slow=14, SNR=3.4 1.2nm, 0.4s												
MKAR	Makanchi Array	7.64	202	Pn	Pn	Pn	07	36	31.7	+0.9		
0.1nm, 0.3s, baz=23, slow=12, SNR=2.1 0.1nm, 0.3s												

ASRS 23 07:40:02.0±1.1, 54.39N, 86.86E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 07:40:01.9±3.3, 54.49N, 87.10E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=30.2km s-min=19.2km az=47.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
I46RU	ZALESOVO INFRA	1.45	249	I	P	P	07	40	27.3	-2.0		
baz=68, slow=342, SNR=5.0												
ZALV	Zalesovo Beam	1.45	249	Pg	Pg	Pg	07	40	27.3	-2.0		
1.8nm, 0.3s, baz=69, slow=16, SNR=14.1												
ZALV	Zalesovo Beam	1.45	249	Lg	Lg	Lg	07	40	48.4			
2.7nm, 0.3s, baz=66, slow=24, SNR=12												
KURBB	Kurchatov Arra	6.51	237	Pn	Pn	Pn	07	41	39.2	+0.5		
0.1nm, 0.3s, baz=53, slow=14, SNR=8.3 1.1nm, 0.5s												
MKAR	Makanchi Array	8.29	204	Pn	Pn	Pn	07	42	04.5	+1.3		
0.1nm, 0.3s, baz=22, slow=12, SNR=7.6 0.2nm, 0.3s												

NEIC 23 07:46:33.7±2.6, 7.40S, 128.50E, 0.07h, 160km, 7km, mb4.3/6, Error ellipse: s-maj=12.0km s-min=8.9km az=148.0

IDC 23 07:46:33.4±2.5, 7.44S, 128.48E, h171km, 25km, mb3.6/5, mbtmp4.2/9, Error ellipse: s-maj=26.0km s-min=21.6km az=69.0

IDC 23 07:46:31.7±0.6, 7.47S, 128.52E, 0.05h, 151km, n29, z=277/38, mb3.8/6, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
SAUI	Saumlaki	2.80	101	Pn	Pn	Pn	07	47	19.0	+2.4		
SAUI	Saumlaki	2.80	101	Sn	Sn	Sn	07	47	56.9	+5.6		
SOEI	Soe	4.78	241	Pn	Pn	Pn	07	47	46.0	+3.6		
SOEI	Soe	4.78	241	Sn	Sn	Sn	07	48	39.1	+1.7		
BATI	Baumata	5.52	240	Pn	Pn	Pn	07	47	54.9	+2.9		
91nm, 0.4s, baz=84, slow=3.9, SNR=13												
BATI	Baumata	5.52	240	Sn	Sn	Sn	07	48	56.9	+2.0		
292nm, 0.4s, baz=91, slow=22, SNR=22												
FAKI	Fak Fak	5.85	40	Pn	Pn	Pn	07	47	57.6	+1.1		
FAKI	Fak Fak	5.85	40	Sn	Sn	Sn	07	48	58.2	+4.6		
MTN	Manton Dam	5.92	155	Pn	Pn	Pn	07	48	01.1	+3.7		
KNRA	Kununurra	8.16	178	Pn	Pn	Pn	07	48	29.9	+2.7		
KNRA	Kununurra	8.16	178	Sn	Sn	Sn	07	49	56.7	-1.4		
FITZ	Fitzroy Crossi	10.93	195	Pn	Pn	Pn	07	49	04.2	+0.2		
FITZ	Fitzroy Crossi	10.93	195	P	P	P	07	49	03.8	-0.2		
4.7nm, 0.4s, baz=26, slow=9.1, SNR=34												
FITZ	Fitzroy Crossi	10.93	195	S	S	S	07	50	59.0	-5.9		
9.6nm, 0.3s, baz=98, slow=20, SNR=7.9												
WB0	Warramunga Arr	13.48	156	Pn	Pn	Pn	07	49	37.9	+0.8		
WRAB	Tennant Creek	13.61	156	Pn	Pn	Pn	07	49	39.9	+1.1		
WRA	Warramunga Arr	13.62	156	Pn	Pn	Pn	07	49	41.1	+2.2		
WRA	Warramunga Arr	13.62	156	P	P	P	07	49	39.9	+1.1		
1.0nm, 0.5s, baz=326, slow=13, SNR=37												
WRA	Warramunga Arr	13.62	156	S	S	S	07	52	02.6	-7.1		
3.8nm, 0.4s, baz=331, slow=23, SNR=9.0												
WB2	Warramunga Arr	13.62	156	Pn	Pn	Pn	07	49	39.7	+0.8		
WR0	Warramunga Arr	13.71	155	Pn	Pn	Pn	07	49	40.7	+0.6		
JAGI	Jajag, Banyuwa	14.27	265	P	P	P	07	49	46.7	-0.4		
COEN	Coen	15.77	115	P	P	P	07	50	08.2	+1.8		
MBWA	Marble Bar	16.04	211	P	P	P	07	50	10.8	+1.3		
MBWA	Marble Bar	16.04	211	Iamb	Iamb	Iamb	07	50	12.2			
PSA00	Pilbara Seismi	16.33	210	P	P	P	07	50	14.4	+1.7		
PSA00	Pilbara Seismi	16.33	210	Iamb	Iamb	Iamb	07	50	49.4			
AS31	Alice Springs	16.91	163	Pn	Pn	Pn	07	50	21.9	+2.3		
AS31	Alice Springs	16.91	163	Iamb	Iamb	Iamb	07	50	23.4			
comp=2.3nm, 1.4s												
ASAR	Alice Springs	16.91	163	P	P	P	07	50	21.3	+1.8		
ASAR	Alice Springs	16.91	163	P	P	P	07	50	21.5	+2.0		
comp=2.5, 0nm, 0.4s, baz=339, slow=10, SNR=11.4												
ASAR	Alice Springs	16.91	163	S	S	S	07	53	22.7	-4.9		
comp=1.7nm, 0.5s, baz=347, slow=25, SNR=7.1												
ASAR	Alice Springs	16.91	163	ScP	ScP	ScP	07	58	15.1	-3.2		
comp=2.0, 4nm, 0.4s, baz=353, slow=1.9, SNR=4.4												
BBOO	Buckleboon	26.16	165	Pn	Pn	Pn	07	51	54.1	+2.0		
BBOO	Buckleboon	26.16	165	Iamb	Iamb	Iamb	07	52	38.3			
comp=2.1, 1nm, 1.2s												
PETK	Petrovskiy	65.24	19	P	P	P	07	56	57.2	+0.3		
PETK	Petrovskiy	65.24	19	P	P	P	07	56	56.0	-0.9		
comp=2.9nm, 0.8s, baz=151, slow=6.8, SNR=5.1 comp=2.9nm, 0.8s												
MKAR	Makanchi Array	67.83	328	P	P	P	07	57	13.4	-0.1		
comp=2.0, 3nm, 0.3s, baz=123, slow=7.9, SNR=2.3 comp=2.0, 3nm, 0.3s												
B00M	Boomscoyech usch	68.98	321	P	P	P	07	57	21.1	+0.1		
ZALV	Zalesovo Beam	71.37	334	P	P	P	07	57	33.9	-1.1		
comp=2.0, 8nm, 0.5s, baz=119, slow=5.1, SNR=1.9 comp=2.0, 8nm, 0.5s												
KURBB	Kurchatov Arra	72.15	329	P	P	P	07	57	38.9	-0.9		
comp=2.0, 5nm, 0.5s, baz=132, slow=5.0, SNR=7.6 comp=2.0, 5nm, 0.5s												
SEY	Seychan	72.55	11	P	P	P	07	57	41.1	-0.7		
comp=2.1, 2nm, 0.5s, baz=206, slow=3.6, SNR=7.4 comp=2.1, 2nm, 0.5s												

2019 JAN

ASRS 23 07:54:48.0±0.8, 54.32N, 86.17E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 07:54:52.0±2.4, 54.28N, 86.09E, h0km, mbtmp3.2/2, ML3.1/2, Error ellipse: s-maj=19.1km s-min=11.6km az=51.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
I46RU	ZALESOVO INFRA	0.82	247	I	P	P	07	55	05.9	-1.8		
baz=66, slow=343, SNR=9.9												
ZALV	Zalesovo Beam	0.82	247	Pg	Pg	Pg	07	55	05.9	-1.8		
2.8nm, 0.3s, baz=63, slow=16, SNR=18												
ZALV	Zalesovo Beam	0.82	247	Lg	Lg	Lg	07	55	19.9			
6.2nm, 0.3s, baz=67, slow=26, SNR=16												
KURBB	Kurchatov Arra	5.89	235	Pn	Pn	Pn	07	56	21.9	+1.4		
0.2nm, 0.3s, baz=50, slow=13, SNR=9.8 0.7nm, 0.3s												
MKAR	Makanchi Array	7.87	199	Pn	Pn	Pn	07	56	48.5	+0.8		
0.6nm, 0.3s, baz=24, slow=12, SNR=26 0.7nm, 0.3s												

ASRS 23 08:04:09.0±1.3, 54.07N, 86.55E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 08:04:11.8±2.9, 54.07N, 86.55E, h0km, mbtmp2.8/2, ML2.6/2, Error ellipse: s-maj=23.7km s-min=13.9km az=61.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
I46RU	ZALESOVO INFRA	1.03	264	I	P	P	08	09	55.4			
baz=82, slow=341, SNR=0.1												
ZALV	Zalesovo Beam	1.03	264	Pg	Pg	Pg	08	04	29.7	-1.8		
0.6nm, 0.3s, baz=86, slow=17, SNR=3.2												
ZALV	Zalesovo Beam	1.03	264	Lg	Lg	Lg	08					

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like WSI Waingapu, MMRI Maumere, WBSI Waikabubak, etc.

REN 23 08:58:34.6 ± 1.5, 37.88N, 0.01, 113.66W, 0.02, h11km, 8km, Error ellipse: s-maj=2.2km s-min=1.9km az=65.0

NEIC 23 08:58:34.0 ± 1.1, 37.88N, 0.01, 113.69W, 0.02, h1km, 2km, Error ellipse: s-maj=2.0km s-min=1.6km az=71.0

UUSS 23 08:58:34.8 ± 1.5, 37.89N, 0.01, 113.67W, 0.02, h0km, 2km, ML2.9/1.4, ML2.8/42(NEIC), ML3.1/24(REN), Error ellipse: s-maj=2.0km s-min=1.6km az=76.0 Utah

Main table of seismic stations and events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ARUT Antelope Range, DWU Dry Willow Pea, etc.

ASRS 23 09:03:29.0 ± 1.0, 54.26N, 87.03E, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 09:03:33.0 ± 0.3, 1.5425N, 87.00E, h0km, mbtmp3.0/2, ML2.8/2, Error ellipse: s-maj=27.7km s-min=15.9km az=65.0, Southwestern Siberia

Table of seismic events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes events like 46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 23 09:09:00.0 ± 1.0, 6.25N, 33.29W, h0km, mb3.9/9, mbtmp3.9/9, MS3.7/26, Error ellipse: s-maj=34.2km s-min=21.3km az=172.0

IDC 23 09:09:01.9 ± 1.0, 6.3N, 0.2-3.33W, 0.1, h10km, n37, n07/67/9, mb3.9/9, MS3.8/23, Central Mid-Atlantic Ridge

Table of seismic events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes events like RCBR Rachiuelo, BBTS Babate, MDP Montagnes des, etc.

Table of seismic events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes events like H10N1 ASCENSION HYDR23.41 126 T, H10S3 ASCENSION HYDR23.94 129 T, etc.

ASRS 23 09:15:18.0 ± 0.9, 53.67N, 87.95E, h0km, M2.6, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 23 09:15:21.1 ± 3.2, 53.60N, 87.96E, h0km, mbtmp2.6/2, ML2.2/2, Error ellipse: s-maj=28.6km s-min=18.7km az=55.0, Southwestern Siberia

Table of seismic events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes events like 46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

JMA 23 09:33:32.0 ± 0.2, 35.4N, 0.4-14.13E, 0.9, h33km, 1km, MV3.0/33, E OFF BOSO PENINSULA

IDC 23 09:33:32.0 ± 0.3, 34.82N, 140.54E, h0km, mb3.8/2, mbtmp3.8/2, ML2.0/1, MS2.5/2, Error ellipse: s-maj=123.3km s-min=27.5km az=63.0

IDC 23 09:33:33.1 ± 1.5, 35.38N, 0.08, 141.2E, 0.1, h33km, n16, i121/12, Near east coast of Eastern Honshu

Table of seismic events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes events like JSMT Samumatsuo, KTR Katsura, etc.

DJA 23 09:40:05.8 ± 0.5, 5°N, 3°12'E, h162km, 4km, M4.5/10, mb4.4/4, MLV4.5/10

NEIC 23 09:40:05.2 ± 1.7, 4.64N, 0.06, 125.80E, 0.09, h158km, 8km, mb4.2/25, Error ellipse: s-maj=13.5km s-min=8.9km az=96.0

IDC 23 09:40:06.1 ± 1.4, 4.54N, 125.64E, h179km, 10km, mb3.7/12, mbtmp3.7/12, Error ellipse: s-maj=26.0km s-min=9.8km az=7.0

IDC 23 09:40:04.0 ± 1.5, 4.60N, 0.05, 125.81E, 0.09, h150km, n52, i185/56, mb4.1/21, Talou Islands

Table of seismic events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes events like SGSI Sangihe, DAV Davao City (W), etc.

Table of seismic events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes events like DAV Davao City (W), DAV Terna, etc.

IDC 23 09:45:14.9 ± 5.5, 34.06N, 46.09E, h0km, mb3.8/4, mbtmp3.8/6, ML3.6/2, MS3.5/2, Error ellipse: s-maj=82.7km s-min=61.0km az=151.0

ISN 23 09:45:19.1 ± 1.1, 34.24N, 45.61E, h14km, 35km, ML3.6, TEH 23 09:45:20.0 ± 34.25N, 45.66E, h8km, 20km

AFAD 23 09:45:22.4 ± 34.34N, 45.11E, h7km, 2km, ML3.1, ISC 23 09:45:19.8 ± 0.7, 34.21N, 0.03, 45.60E, 0.04, h10km, n52, i189/60, mb4.0/3, Iran-Iraq border region

Table of seismic events. Columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes events like GLG1 Gilan-e-Gharb, KGS1 Ghaz-e-Shirin, etc.

SNOR Sonqor, Kerman

SDSI Sardasht, Az

IKFM Kafar-mosalmán

IDOB Doab

HSAM Saman

MAHB Mahab

EDRS Darreh Sayediy

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

PDG 23 09:49:46.4 ± 0.1, 43.42N, 17.93E, h8km, ML2.6/12, Error ellipse: s-maj=0.4km s-min=0.5km az=0.0

BEO 23 09:49:47.7 ± 0.3, 43.42N, 17.96E, h13km, 2km, ML2.5/6 RHSSO 23 09:49:47.1 ± 0.2, 43.41N, 17.97E, h4km, 1km, ML2.7/14

ISC 23 09:49:46.9 ± 0.1, 43.42N, 17.96E, h0km, 0km, ML2.7/14

ISC 23 09:49:46.9 ± 0.1, 43.42N, 17.96E, h0km, 0km, ML2.7/14

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

BER 23 09:53:33.4 ± 0.9, 63.77N, 28.27E, h0km, ML2.1(UPP), Suspected explosion

IDC 23 09:53:35.1 ± 1.5, 63.92N, 28.57E, h0km, mbtmp3.0/3, ML2.3/3, Error ellipse: s-maj=20.9km s-min=8.9km az=105.0

ISC 23 09:53:34.4 ± 2.6, 63.84N, 27.82E, h0km, ML2.1

UPP 23 09:53:35.1 ± 1.6, 64.04N, 27.66E, h0km, n37, ±1505/42, Finland

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

IDC 23 09:59:26.6 ± 0.9, 10.75N, 141.11E, h0km, mb.0/10, mbtmp4.0/10, Error ellipse: s-maj=31.8km s-min=19.5km az=88.0

NEIC 23 09:59:32.9 ± 1.2, 11.2N, 140.9E, 0.1, h10km, 1km, mb4.5/33, Error ellipse: s-maj=22.3km s-min=10.5km az=132.0

ISC 23 09:59:34.3 ± 0.7, 10.98N, 140.10E, 0.09, h34km, n54, ±137/47, mb4.3/25, Western Caroline Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

NEIC 23 10:08:59.2 ± 1.1, 19.10N, 155.52W, 0.03, h45km, 2km, Error ellipse: s-maj=5.8km s-min=2.8km az=130.0

HVO 23 10:09:00.8 ± 2.3, 18.95N, 155.45W, 0.04, h33km, 8km, ML3.1/48, ML3.2/40(NEIC), Error ellipse: s-maj=13.2km s-min=2.8km az=156.0, Hawaiian Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

HTC Hot Caves 0.26 11 H I 09 07.4 -0.7

KHU Kahuku 0.31 330 I I 09 07.1 -1.8

KHU comp=E,2um,0.9s 10 09 15.3

KHU comp=N,2um,0.6s 10 09 12.8 -1.5

HLP Hilina Pali 0.35 23 S I 09 08.1 -1.1

HLP comp=E,3um,0.7s 10 09 23.5

PUH Pauahi 0.45 29 I I 09 08.8 -2.0

PUH comp=E,2um,1.0s 10 09 17.6

PUH comp=N,1um,0.8s 10 09 20.5

UWE Uwekahuna 0.47 19 I I 09 08.5 -2.5

BYL Byron's Ledge 0.47 23 I I 09 09.0 -2.0

BYL comp=N,1um,0.6s 10 09 18.1

BYL comp=N,1um,1.0s 10 09 18.5

HATH Halema'uma'u 0.48 22 I I 09 08.6 -2.6

KNHH Kane Nui o Hamo 0.48 34 I I 09 08.2 -2.0

RSD Rained 0.51 19 I I 09 08.9 -1.3

STCH Steam Cracks 0.51 37 I I 09 08.9 -2.2

STCH comp=E,1um,0.5s 10 09 18.9

STCH comp=N,2um,0.9s 10 09 22.7

IDC 23 10:09:38.8±2.2, 14.87S; 76.44W, h0km, mb3.5/4, mbmp3.6/7, ML3.7/3, MS3.4/4, Error ellipse: s-maj=72.4km s-min=23.5km az=48.0

ISC 23 10:09:45.1±1.6, 14.66S; 02:76.2W±0.2, h35km, n19, ±1500/8, mb3.4/4, MS3.3/3, Near coast of Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like NNA, ATAH, SIV, H03N1, etc.

JMA 23 10:40:40.2±0.1, 44.77N; 0:4:144.9E±0.5, h20km, 1km, MV3.8/38, NE OFF HOKKAIDO

NIED 23 10:40:40.2, 44.71N; 144.90E, h20km, MW3.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^14Nm; Mn:2.58; Mw:2.44; Mw:0.14; Mw:0.60; Mw:0.38; Mw:0.65; Fault plane solution: Mw:6.90000x10^14 NP1: 6.293.00000; 341.00000; 112.00000. NP2: 6.85.00000; 852.00000; 172.00000

SKHL 23 10:50N:145.5±0.0E; h38km, mb4.6/3, ISC 23 10:40:39.7±1.1, 44.74N; 0:04:144.95E±0.04, h20km, 9km, n15, ±673/26, 4d, HOKKAIDO region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JRA, YUZ, YUK, etc.

IDC 23 10:44:46.8±2.2, 10.87N; 62.69W, h95km, 22km, mb3.8/10, mbmp4.3/13, Error ellipse: s-maj=22.7km s-min=18.8km az=46.0

TRN 23 10:44:48.9, 10.63N; 62.82W, h106km, MD4.5, Paria peninsula, Felt in Trinidad, MMI IV

NEIC 23 10:44:48.8±1.5, 10.68N; 0:06:62.90W±0.09, h108km, 7km, mb4.5/16, Error ellipse: s-maj=12.8km s-min=9.1km az=104.0

RSNC 23 10:44:48.1±6.9, 11.1N; 0:6:3W±1.0, h105km, 30km, mb5.5, mb4.5, Mw(m)5.0, Hypocentre not reviewed by the ISC

FUNV 23 10:44:50.1, 10.67N; 62.79W, h115km, MW4.5, ISC 23 10:44:47.8±0.7, 10.63N; 0:04:62.83W±0.04, h112km, 7km, n83, ±153/103, mb4.4/15, 5D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CUMV, TRN, GRFF, etc.

Table with columns: SVT, SVB, SLB, SLAC, SLIC, SLBI, etc. Lists stations like Saint Vincent, Belmont, Belfond, etc.

IDC 23 10:53:34.6±0.6, 9.85N; 126.67E, h0km, mb4.2/21, mbmp4.2/21, MS3.4/18, Error ellipse: s-maj=28.3km s-min=13.4km az=73.0

BUI 23 10:53:34.6, 9.50N; 126.63E, h18km, mb4.9/7, mb4.6/19, Ms4.2/1, Ms7.3/9/1

NEIC 23 10:53:38.7±1.4, 9.68N; 0:08:126.5E±0.1, h22km, 6km, mb4.6/54, Error ellipse: s-maj=15.1km s-min=11.5km az=93.0

ISC 23 10:53:36.2±0.4, 9.70N; 0:05:126.51E±0.09, h10km, n106, ±1512/81, mb4.6/55, MS3.3/13, 2C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DAV, DAV, DAV, etc.

Table with columns: JCJ, MTN, NJ2, JNU, MYKOM, SLVN, JMN, KNRA, IPM, KULM, FITZ, KRSR, CMAR, CMAR, PSI, COEN, COEN, MJAR, PZH, PZH, XAN, XAN, HNS, HNS, GSI, GSI, WBO, WRAB, WRAB, WRA, WRA, MBWA, MBWA, BJI, BJI, BJI, PSA00, HHC, HHC, ASAR, ASAR, USRK, CTD, CTD, BNX, BNX, SHL, ASAJ, JKA, GTA, KLR, MORW, H11S3, H11S1, H11S2, H11N1, H11N2, H11N3, FORT, IJUN, SONM, BBOO, BBOO, STKA, STKA, PALK, PEAOB, PETK, MKAR, MA2, TARG, TARG, ZALV, AAK, KURK, KURB, GAR, GAR, TIXI, BVAR, NRIK, NRIK, NRIK

IDC 23 10:53:36.2±0.4, 9.70N; 0:05:126.51E±0.09, h10km, n106, ±1512/81, mb4.6/55, MS3.3/13, 2C, Mindanao

IDC 23 10:53:36.2±0.4, 9.70N; 0:05:126.51E±0.09, h10km, n106, ±1512/81, mb4.6/55, MS3.3/13, 2C, Mindanao

IDC 23 10:53:36.2±0.4, 9.70N; 0:05:126.51E±0.09, h10km, n106, ±1512/81, mb4.6/55, MS3.3/13, 2C, Mindanao

IDC 23 10:53:36.2±0.4, 9.70N; 0:05:126.51E±0.09, h10km, n106, ±1512/81, mb4.6/55, MS3.3/13, 2C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DAV, DAV, DAV, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like MRZ Mangatoinaka R, ARMA Armadale, EIDS Eidsvoild, CAN Canberra, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WBSI Waikabubak, Su, WBSI Waigapu, BASI Baing, Sumba, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like JCJI Jatiwangi, AAI Alim, PSACI Pilbara Seismi, etc.

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Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like B18K Kokolik River, C18K Utukok River, N17K Nushagak Hills, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like MNNK comp=Z,1.1nm,0.6s, D22K Ayikyak River, TAOE Nuku Hiva Isla, etc.

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like EGAK Eagle, KEK Kerika, F28M Old Crow, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like R11B Troy Canyon, DBIC Dimbokro, YUH Yuh Desert, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HRV Adam Dzewonski, CMC01 Camacan, DIAM Diamantina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NEIC 23 12:00:54.0, HVO 23 12:06:03.0, etc.

mb4.1/11, Error ellipse: s-maj=18.7km s-min=8.1km

az=207.0

ISC 23 12:11:11.5-0.7, 0.95N, 0.09E, 127.02E, 0.08, h50km, n37,

0.98/34, mb4.1/12, Halmahe

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.

KRNET 23 12:18:36.0, 1.0, 40.17N, 78.14E, mb3.0
SOME 23 12:18:37.8, 40.30N, 77.55E, h5km
NMC 23 12:18:38.9, 0.9, 40.31N, 77.57E, h0km, mb3.8, mpv3.5,

Error ellipse: s-maj=5.7km s-min=4.4km az=168.0

ISC 23 12:18:31.8, 2.8, 40.11N, 0.1, 177.59E, h0km, mb3.7km, n42,

0.1509/65, 8C-10D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.

ISC 23 12:23:35.0, 2.4, 5.79N, 126.41E, h0km, mb3.2/3,

mbtmp3.2/3, Error ellipse: s-maj=175.8km

s-min=29.6km az=65.0, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.

ISC 23 12:33:09.4, 2.8, 5.23N, 126.85E, h0km, mb3.2/3,

mbtmp3.2/3, MS4.1/2, Error ellipse: s-maj=256.5km

s-min=27.7km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.

BUI 23 12:36:07.0, 10.50S, 119.00E, h10km, mb5.1/16, mb5.0/61,

MS4.7/9, Ms7.4/4.9

MOS 23 12:36:08.9, 0.9, 10.07S, 119.13E, h11km, mb5.1/46, Error

ellipse: s-maj=12.2km s-min=5.5km az=117.9

ISC 23 12:36:09.2, 0.5, 10.14S, 119.12E, h0km, mb4.7/21,

mbtmp4.7/22, ML4.2/1, MS3.9/9, Error ellipse:

s-maj=19.3km s-min=14.4km az=72.0

NEIC 23 12:36:10.2, 1.5, 10.41S, 0.02, 119.00E, h10km, 1km,

mb5.0/61, Error ellipse: s-maj=11.0km s-min=2.9km

az=109.0

DJA 23 12:36:12.8, 0.8, 10.15S, 119.11E, h25km, 7km, Ms1.5/3,

mb5.5/13, mb5.1/53, MLv5.2/26, Mw4.4/75, Mw(mb)5.0/13

ISC 23 12:36:09.9, 0.3, 10.33S, 0.04, 119.08E, h0km, mb2.86,

0.176/290, mb5.0/99, MS4.0/10, 11C-2D, Sumba region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data for the event.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like SHL, XAN, TIA, HNS, LSA, KSA, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like SATY, KDJ, KPJS, ZSN, ZSN, ZSN, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like SEY, AB31, ABKAR, RAYN, RAYN, QSPA, AKTO, etc.

UCR 23 12:41:19.5±1.1, 9.55N-84.13W, h41km±1km, MW3.8, 11 C-28, Costa Rica. Includes a detailed table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, and other parameters.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like LUPE, BELE, DOMI, CORON, VICON, etc.

IDC 23 12:45:16.3:999.0,62.24N:28.53E,h0km,Error ellipse: s-maj=480.4km s-min=134.1km az=128.0,Finland

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like I43RU, I31KZ, I46RU.

IDC 23 13:06:56.1:0,0:39S:16.13W,h0km,mb4.3/11, mbmp4.2/12,ML3.6/1,MS4.0/4,Error ellipse: s-maj=33.6km s-min=22.5km az=101.0

NEIC 23 13:07:00.1:4.0:17S:0.09:16:14W:0.10,h10km,1km, mb4.9/20,Error ellipse: s-maj=16.6km s-min=14.4km

ISC 23 13:06:58.9:0.5,0.22S:0.08:16:15W:0.08,h10km,n62, mb99/52,mb4.7/31,MS4.2/4,North of Ascension Island

Main table of station data with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like H10N2, H10N3, ASCN, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like NC405, KBZ, FINES, etc.

NEIC 23 13:09:01.7:1.5,61:53N:0.02:150:24W:0.04,h46km,5km, Error ellipse: s-maj=3.6km s-min=2.4km az=156.0

AEIC 23 13:09:02.3:1.3,61:49N:0.03:150:22W:0.05,h49km,4km, ML3.2,ML3.3/164(NEIC),Error ellipse: s-maj=3.8km s-min=3.1km az=163.0

ISC 23 13:09:02.3:1.2,61:50N:0.02:150:23W:0.02,h44km,6km, n226,e0978/221,Southern Alaska

Main table of station data with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like SUSA, M22K, FIS, etc.

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Main table of station data with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like BRKL, BRSE, O20K, etc.

Table with columns: J19K, N17K, N17K, N17K, M26K, M26K, COLA, COLA, L26K, L26K, L26K, J18K, IL31, I23K, SCRK, J25K, J25K, I20K, ECAR, POKR, POKR, KIAG, L17K, KDAK, KDAK, BARK, K17K, K17K, K17K, M27K, L27K, M16K, M16K, M16K, J26L, J26L, H21K, O16K, O16K, L16K, L16K, GCSA, H24K, H20K, J17K, J17K, PRP, PRP, P16K, H19K, H19K, H19K, H19K, I26K, M15K, J16K, J16K, H18K, H18K, G23K, G21K, G21K, G21K, G24K, G24K, I17K, I17K, L15K, K15K, G19K, G19K, H17K, M29M, M14K, COLD, G18K, O29M, F21K, L14K, F20K, F24K, HYT, F19K, K29M, J14K, J14K, F25K, F19K, E24K, G16K, E19K, F26K, F17K, E25K, ANM, F15K, D19K

Table with columns: az=101.1, Western Australia, FITZ, FITZ, KTRN, MNTA, WRKA, IDC 23 13:27:49.8, 0.8, 12.84S, mbmp4, NEIC 23 13:27:50.7, 2.12, NEIC 23 13:27:50.2, 0.5, ISC 23 13:27:50.2, 0.5, SBV, SBO, OPO, OPO, FIRM, ATG, ABPO, MDSM, DVM, AGR, ABM, ABPO, KMBQ, KMBQ, KMBQ, LSZ, LSZ, LODK, LBTB, BOS, BOS, BOS, SUR, MNCI, UOSS, UOSS, BRTR, CHGR, CHGR, TARG, TARG, ABKAR, ABKAR, ABKAR, GERES, GERES, MK31, MKAR, ZAAO, ZAAO, ZALV, ZALV, QSPA, QSPA, ASAR, ASAR, ESZP, ESZP, WRA, WRA, KSAR, TXAR, AEIC 23 13:28:07.7, NEIC 23 13:28:06.8, Code, Station Name, Phase ID, ISC, Time, Res

Table with columns: M14K, KDAK, L14K, M16K, M17K, K15K, J14K, L18K, K17K, L19K, J16K, P29M, SLKM, TTA, HIN, J20K, GCM, N25K, H21K, VRDI, J26L, J26M, M29M, P33M, G29M, G29M, G30M, G30M, R33M, H31M, H31M, G31M, IDC 23 13:28:49.5, NEIC 23 13:29:10.2, ISC 23 13:29:09.0, Code, Station Name, Phase ID, ISC, Time, Res, AFI, AFU, FUTU, NIUE, NIUE, NIUE, SARUV, URZ, RTZ, RTZ, ARK, ARMA, ARMA, STKA, STKA, WRA, WRA, AS31, AS31, ASAR, ASAR, JMZ, QSPA, QSPA, PETK, NVAR, TXAR, TXAR, CCB, CCB, G19K, PDAR, PDAR, IL31, IL31, J25K, J25K, E19K, E19K, RDOG, RDOG, YHNB, YHNB, SBUM, SBUM, KAPI, KAPI, GUMI, GUMI, SOEI, SOEI, SOEI, SOEI, MYKOM, MYKOM, SLVN, SLVN, KNRA, KNRA

23d 14h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IPM Iph, KULM Kulim, PHRA Phrae, FITZ Fitzroy Crossi, etc.

SJA 23 13:44:38.7±0.6, 33.68S; 71.28W, h52km, 3km, ML2.4, MW2.9
GUC 23 13:44:39.6±0.7, 33.67S; 71.28W, h54km, 4km, ML2.3
ISC 23 13:44:40.7±1.3, 33.66S; 0.03; 71.28W, 0.04, h42km, 8km, n32, ±0.88/49, 5C-3D, Near coast of central Chile

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Talagante, Santo Domingo, Curacav, Renca, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

ISC 23 14:08:45.6±1.1, 35.35N; 141.31E, h0km, mb3.6/4, mbmp3.6/6, ML3.0, MS2.5/1, Error ellipse: s-maj=34.9km s-min=22.0km az=87.0
JMA 23 14:08:49.1±0.2, 35.4N; 0.5; 141.31E, h31km, 2km, MV3.2/32, E OFF BOSO PENINSULA
ISC 23 14:08:48.7±1.0, 35.39N; 0.07; 141.28E; 0.08, h25km, n19, ±1.93/15, mb3.6/4, Near east coast of eastern Honshu

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAH Asahikawa, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, etc.

IDC 23 14:30:56.9±3.2, 21.53N; 145.06E, h0km, mb3.7/6, mbmp3.7/6, Error ellipse: s-maj=132.1km s-min=21.6km az=79.0
ISC 23 14:31:02.4±3.4, 21.5N; 0.2; 145.3E; 1.0, h44km, n6, ±0.27/6, mb3.7/6, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

GCG 23 14:32:56.6±0.7, 14.14N; 91.87W, h18km, 4km, MD4.1, Hypocentre not reviewed by the ISC
MEX 23 14:32:57.8±0.8, 14.03N; 92.06W, h31km, 10km, MD4.3
SNET 23 14:32:59.1±0.7, 14.29N; 91.72W, h35km, 999km, ML3.8
ISC 23 14:32:55.1±1.3, 14.02N; 0.08; 92.01W; 0.05, h48km, 25km, n25, ±2.10/46, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMIG Matias Romero, CMIG Matias Romero, UXUV UXUV, etc.

DJA 23 14:47:57.0, 101.0, S3.3, 11.9E, h11km, 3km, M4.4/15, mb5.2/1, mb4.5/7, MLV4.4/15, Mw(mb)4.6/1
IDC 23 14:48:01.2, 4.3, 10.175, 119.05E, h68km, 37km, mb3.6/2, mbmp3.9/6, ML3.8/4, MS3.0/1, Error ellipse: s-maj=61.4km s-min=15.6km az=72.0

ISC 23 14:47:55.0, 101.0, S3.3, 11.9E, h10km, n58, a1536/66, mb4.3/6, South of Sumbawa

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations and their coordinates.

Main seismic event table with columns: RCBR, Station Name, Time, Res, ISC, Azimuth, Magnitude, etc. Lists various seismic events and their characteristics.

Table with columns: PATCX, Station Name, Time, Res, ISC, Azimuth, Magnitude, etc. Lists seismic events and their characteristics.

MOS 23 14:48:26.9, 1.1, 8.04N, 38.03W, h10km, mb5.3/26, Error ellipse: s-maj=10.3km s-min=7.6km az=63.8
IDC 23 14:48:27.0, 0.5, 8.07N, 38.03W, h0km, mb4.4/28, mbmp4.4/29, ML3.8/1, MS4.6/75, Error ellipse: s-maj=14.4km s-min=12.7km az=127.0
NEIC 23 14:48:29.4, 8.02N, 38.00W, h12km
NEIC 23 14:48:29.3, 1.5, 7.98N, 0.04:37.97W, 0.09, h10km, 1km, mb5.2/107, Mw5.3/26, Error ellipse: s-maj=15.4km s-min=5.1km az=77.0
NEIC 23 14:48:29.4, 8.42N, 38.00W, h12km, Moment Tensor Solution: Duration: 2s, Moment tensor: Scale 1017Nm, M1=0.85, M2=0.08, M3=0.93, Mo=0.32, Mw=0.03, Mw0=0.72; Fault plane solution: M1: 2.0000x10^17 NP1: 0.193, 4.7000, 8.26, 940000, -1.63, 14000, -1. NP2: 0.343, 8.7000, 8.66, 160000, -1.02, 930000. Principal axes: T 1.2045, P1g2.0000, Azm84.0000; N -0.0181, P1g12.0000, Azm349.0000; P -1.1864, P1g6.0000, Azm231.0000
GCMT 23 14:48:32.3, 0.1, 8.07N, 0.01:37.90W, 0.01, h12km, Mw5.3/144, Moment Tensor Solution. s79, c108; s144, c260. Duration: 1s. Moment tensor: Scale 1017 Nm; M1=1.01, M2=0.02, M3=0.01, Mo=1.01, 0.01; Mw=0.04, Mw0=0.01; M1=0.01, M2=0.01, M3=0.01; Best double couple: M1: 0.2800x10^17 NP1=0.177, 0.0000, 8.40, 0.0000, -1.93, 0.0000. NP2=0.2, 0.0000, 8.50, 0.0000, -1.87, 0.0000. Principal axes: T 1.0270, P1g5.0000, Azm0.0000; N -0.0290, P1g2.0000, Azm180.0000; P -1.0290, P1g4.0000, Azm292.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
INMG 23 14:48:32.0, 0.5, 8.26N, 38.37W, h10km, M4.7, mb5.2, Ms4.6, #DIST. RANGE: DISTANT
BGR 23 14:48:49.4, 9.89N, 36.72W, h10km, mb4.7
ISC 23 14:48:29.2, 0.3, 7.98N, 0.05:38.00W, 0.06, h16km, n349, a158/279, mb5.1/33, MS4.6/81, 4C-2D, Central Mid-Atlantic Ridge

23d 14h

Table with columns: Name, Comp, Time, Diff, P, Max, Min, etc. Includes entries like RETA Reutte, MOTA Moosalm, SOTA Sankt Quirin, etc.

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Table with columns: Name, Comp, Time, Diff, P, Max, Min, etc. Includes entries like FCC Fort Churchill, MLR Muntele Rosu, MRL Muntele Rosu, etc.

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Table with columns: Name, Comp, Time, Diff, P, Max, Min, etc. Includes entries like APA Apatity, APA Apatity, APA Apatity, etc.

23d 16h

Table with columns: Station Name, Time, Res, Pn, Eb, S, B, and various codes. Includes stations like TEYL Yanliu Villag, TSMG Majia, WMYT Xinyi Township, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZUZH Zhuzihui, HATJ Hateruma jima, IRIF Iriomote-Funau, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JMA 23 15:55:25.3, NEAR ETOFORU ISLAND, SKHL 23 15:55:28.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SMG Samos, SMG Samos, THRB Santorini-Mono, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CAME Camel-Denzili, ESEN Aydn-Nazilli, EYB Zeytinok-Aydi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include LEPH Lephale, MOPA Mopani, LBTT Lobate, BOSA Boshof, BOSA Boshof, BOSA Boshof, I47ZA BOSHOFRASAS, I35NA TSUMEBFRASAS.

IDC 23 16:25:13.3-1.8, 9.50N-125.81E, h0km, mb3.4/4, mbtmp3.4/4, Error ellipse: s-maj=181.3km s-min=22.7km az=68.0, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA Warrungarra Arr, ASAR Alice Springs, H11N1 WAKE ISLAND, H11N2 WAKE ISLAND, H11N3 WAKE ISLAND, MKAR Makanchi Array, KURBB Kurchatov Arra, ARCES ARCES Array B.

IDC 23 16:47:39.6-1.9, 4.90S-130.28E, h0km, mb3.5/2, mbtmp3.8/4, ML4.2/2, Error ellipse: s-maj=110.3km s-min=27.7km az=71.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA Warrungarra Arr, WRA Warrungarra Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra.

IDC 23 17:11:38.6-1.9, 2.25N-126.48E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=191.0km s-min=21.1km az=66.0, Northern Molok Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA Warrungarra Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra.

AUST 23 17:20:18.7-0.5, 19.5S x 111.8E, h10km, mb4.5/3, ML2.7/2, Error ellipse: s-maj=8.9km s-min=7.4km az=63.0, Western Australia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include MBWA Marble Bar, PSAC1 Pilbara Seismi, GIRL Giralia, MEEK Meekehatharra, MEEK Meekehatharra, MORW Morawa, PLAI Plampang, WRKA Warakuma.

IDC 23 17:20:24.1-2.1, 14.00N-51.72E, h0km, mb3.6/4, mbtmp3.6/5, ML3.3/1, MS3.3/1, Error ellipse: s-maj=61.4km s-min=30.8km az=162.0

OMAN 23 17:20:29.3-1.8, 14.39N-51.50E, h23km, 51km, mb2.3/1, mb3.4/4, Error ellipse: s-maj=36.8km s-min=12.6km az=28.0

ISC 23 17:20:27.9-1.4, 14.2N-0.1-51.7E=0.1, h21km, n11, s=162.17, mb3.7/4, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ABTO Aybut, RBK Rabkut, DMTO DMTO, DMTO DMTO, DOK DOK, MZUR Muzera, ASR Al Ashuash, WSAR Wadi Sarin, WSAR Wadi Sarin, MKAR Makanchi Array, MKAR Makanchi Array, CMAR Chiang Mai Arr, ZALV Zalesovo Beam, TORD Torodi Arr.

NEIC 23 17:32:30.7-0.3, 19.09N-0.05-155.53W, 0.04, h53km, 5km, Error ellipse: s-maj=8.3km s-min=3.5km az=150.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include KHU Kahuku, HTC Hot Caves, HLP Hilina Pali, SDHII Sand Hill, KKO Keanakakoi, LWO Uwekahuna, OBL Observatory Le, OBL Observatory Le, PUH Pauhi, PUH Pauhi, PUH Pauhi, PUH comp=E.244nm,0.5s.

HVO 23 17:32:31.9-0.5, 19.04N-0.04-155.52W, 0.04, h48km, 2km, ML2.3/25, ML2.6/38(NEIC), Error ellipse: s-maj=7.9km s-min=3.7km az=139.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include BYL Byron's Ledge, MWH Mokuaweoweo, MWH Mokuaweoweo, HATHI Halema'uma'u T, HATHI Halema'uma'u T, SBLHI Steaming Bluff, SBLHI Steaming Bluff, MLH Mauna Loa, MLH Mauna Loa, KNH Kane Nui o Ham, RSD Rainshead, STCH Steam Cracks, ALEP Alea Permanent, HUMU'ula Sheep, HMH Humu'ula Sheep, HMH Humu'ula Sheep, JOKA Jonika Flow, JOKA Jonika Flow, JOKA Jonika Flow, PAH Pahoa, HUH Hualalai, POHA Pohakuloa, POHA Pohakuloa, MHA Mahukona.

NOU 23 17:32:44.0, 13.58S-167.37E, h137km, MLV4.3/10, Vanuatu Islands, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SANVV Saraoutou, VLAKA Lakatoro, LUES Luesalemba Tem, DVP Devil's Point, HURO Huro Makira, KOUNC Koumang, New Ca, YATNC Mamie plateau, DZM Mont Dzumac, OUENC Ouen Island, N.

IGQ 23 17:50:20.3-0.6, 1N-3.8W, h9km, 2km, MLV3.5/25, 5C-10D, Near coast of Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include AMA1 Acelerografo, AES2 Ecuadoro-Puerto, AV21 Acelerografo, AV18 Acelerografo, RVRD Rio Verde, JAMA Jama, CABI Cabo Pasado-Ma, CABI Cabo Pasado-Ma, FLF1 Flavio Alfaro, FLF1 Flavio Alfaro, PEVC Mancha de Ca P, PTA Pacto, Paraso, SNLR San Lorenzo-Es, SNLR San Lorenzo-Es, APR1 Acelerografo, HPAL Hacienda Las P, PIVO Pivo, OTAV Otavalo, TERV Terraza Guagua, YANA Yana, GGPT Toaza - Volcan, PULU Puluahua, JUA2 San Juan 2, CUSE Cuicocha Este, ALIT Ecuador-Imbaba, LITE1 Lita, CUIC Cuicocha-Domo, CUSW Cuicocha Oeste, COTA Cotacachi, URCU Urcuqui, IMBA Imbabura, San, CHMA Chima, PITA Cotopaxi Volc, CAMI Rancho Maria, SLOP San Lorenzo - S, BREF Cotopaxi Volca, VC1 Cotopaxi 1, BC2 Cotopaxi Volca, BMOR Cotopaxi Volca, ECEN Cerro Negro, BTAM Cotopaxi Volca, CHLI Volcan Chiles, TAMB Tambo, ANGU Angural, CHL2 Volcan Chiles, CAYR Refugio Cayamb, VCES Cotopaxi, ANTI Antisana, ANTS Antisana-Sarah, ABAR Ecuador-Union, PORT Chimborazo Vol, MONB Balzapamba Mon, BONI La Bonita, REVN San Rafael, BULB Ulba Tungurahua.

BUI 23 17:52:54.3, 29.97S-177.42W, h8km, mb5.6/9, mb5.1/28, Ms5.3/2, Ms7.4/2

NOU 23 17:52:57.6, 30.59S-177.22W, h32km, mb5.1/32, Kermadec Islands, New Zealand

NEIC 23 17:53:01.6-2.1, 30.23S-0.03-178.0W, 0.2, h47km, 5km, mb5.2/108, Error ellipse: s-maj=19.1km s-min=4.5km

GCMT 23 17:53:03.8-0.3, 30.31S-0.02-177.72W, 0.02, h53km, 1km, MW5.0/70, Moment Tensor, s61c82, s70c104, Duration: 0 Moment tensor: Scale 1016Nm, Mr=5.4E+17, Mw=0.09E+13, Mw-4.63E+10, Mw=0.29E+09, Mw=0.1E+10, Mw=0.6E+10; Best double couple: M=4.63500E+10 NP1: 39.4, 0.00000, 84.1, 0.00000, 96.0, 0.00000. Principal axes: T 4.5990, Plg85.0000, Azm46.0000; N 0.0740, Plg4.0000, Azm179.0000; P -4.6710, Plg4.0000, Azm270.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate

IDC 23 17:53:03.3-0.5, 30.10S-178.03W, h61km, 4km, mb4.7/23, mbtmp4.9/25, MS4.1/46 Error ellipse: s-maj=12.7km s-min=8.1km az=93.0

ISC 23 17:53:01.2-0.3, 30.41S-0.04-177.74W, 0.05, h50km, 2km, h50km; p-p, N383, s=292/329, mb5.2/99, MS4.2/41, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include PPSI Pulau Batu, MNSI Mandailing Nat, GSI Gunungsitoli, GSI Gunungsitoli, SISI Saibi, PPI Padang Panjang, RPSI Rantau Prapat, RPSI Rantau Prapat, PSI 12nm, 0.3s, baz=338, slow=19, SNR=14, BKNi Bangkinang, BKNi Bangkinang, SNSI Sinabang, Aceh, Tuntingan, TSI Tuntingan, KCSI Kutacane, Aceh, PPSI Pulau Pagai, MSLI Meulaboh, Aceh, IPI Ipi, KULM Kulim, MYKOM Kota Tinggi, MNAI Manna, MDSI Maura Dua, PBA Port Blair, CMAI Chiang Mai Arr, LUWI Lunulung, SHL Shillong, SHL Shillong, SHL Shillong, MNGI Mangalore, MNGI Mangalore, LKP Lekhapani, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H08S1 Diego Garcia H, ZIRO ZIRO, ZIRO ZIRO, TAWA Tawang, TAWA TAWA, WRA Warrungarra Arr, DRK DRK, SONM Songoing Arr, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MAKZ Makanchi, MAKZ Makanchi, MGBR Mount Gambier, ZALV Zalesovo Array, ZALV Zalesovo Beam, BVAR Borovoye Array, ABKAR Abkulkar array, H04N2 CROZET ISLANDS, H04N1 CROZET ISLANDS, BRTR Keskin Array B, ZALV Zalesovo Beam, BUI 23 17:52:54.3, 29.97S-177.42W, h8km, mb5.6/9, mb5.1/28, Ms5.3/2, Ms7.4/2, NOU 23 17:52:57.6, 30.59S-177.22W, h32km, mb5.1/32, Kermadec Islands, New Zealand, NEIC 23 17:53:01.6-2.1, 30.23S-0.03-178.0W, 0.2, h47km, 5km, mb5.2/108, Error ellipse: s-maj=19.1km s-min=4.5km, GCMT 23 17:53:03.8-0.3, 30.31S-0.02-177.72W, 0.02, h53km, 1km, MW5.0/70, Moment Tensor, s61c82, s70c104, Duration: 0 Moment tensor: Scale 1016Nm, Mr=5.4E+17, Mw=0.09E+13, Mw-4.63E+10, Mw=0.29E+09, Mw=0.1E+10, Mw=0.6E+10; Best double couple: M=4.63500E+10 NP1: 39.4, 0.00000, 84.1, 0.00000, 96.0, 0.00000. Principal axes: T 4.5990, Plg85.0000, Azm46.0000; N 0.0740, Plg4.0000, Azm179.0000; P -4.6710, Plg4.0000, Azm270.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate, IDC 23 17:53:03.3-0.5, 30.10S-178.03W, h61km, 4km, mb4.7/23, mbtmp4.9/25, MS4.1/46 Error ellipse: s-maj=12.7km s-min=8.1km az=93.0, ISC 23 17:53:01.2-0.3, 30.41S-0.04-177.74W, 0.05, h50km, 2km, h50km; p-p, N383, s=292/329, mb5.2/99, MS4.2/41, Kermadec Islands, Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include GLKZ Green Lake, RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, RIZ Raoul Island, RIZ Raoul Island, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, WNGZ Waiomatatini S, WNGZ Waiomatatini S, PKGZ Great Barrier, PKGZ Pakihiroa, HAZ Te Kaha.

23d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like QSPA South Pole Qui, CMAR Chiang Mai Arr, RPN Rapa Nui, MA2 Magadan, ULN Ulanbator, SONMI Sogingo Array, BELA Belgrano 2, BBB Bella Bella, NVAR Mina Array Bea, ILAR Eielson Array, ELK Elko, TIXI Tiksi, PDAR Pinedale Array, MKAR Makanchi Arr, ZALV Zalesovo Beam, SPITS Spitsbergen Arr, ARCES ARCESS Array B, FINES FINESSE Array B, NOA NORARS Array B, HFS Hagfors, EKA Eskdale Air, GERES GERESS Array B, TORD Torodi Ar, Bea, TORD Torodi Ar, Bea.

ADC 23 20:52.3:0.6, 12.78S:45.42E, h0km, mb4.1/23, mbmp3.6/14, ML3.4/7, Error ellipse: s-maj=18.5km s-min=3.0km az=93.0, NEIC 23 20:53.8:2.6, 12.80S:0.06:45.49E:0.06, h10km, 1km, mb4.5/19, Error ellipse: s-maj=14.7km s-min=3.0km az=317.0, ISC 23 20:53.3:0.4, 12.87S:0.05:45.52E:0.06, h10km, n89, s=163/78, mb4.3/35, MS3.6/27, Northwest of Madagascar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like SBV Sambava, OPO Ambohidratempo, OPO Ambohidratempo, OPO Ambohidratempo, FIRM Firavahana, ATG Ambohiya, ABPO Ambohimpunan, ABPO Ambohimpunan, ABPO Ambohimpunan, AVY Angavokely, DGRM Ambatolahisoa, ABM Ambohiamrambe, VBI Voitsoha, ZOMB Zomba, ZOMB Zomba, FOMA Nahapooana Res, FOMSE Mahe Islay, RER Riviere de l'E, KIBK Kibwezi, KMBO Kilima Mbogo, KMBO Kilima Mbogo, KMBO Kilima Mbogo, KMBO Kilima Mbogo, LSZ Lusaka, LSZ Lusaka, LSZ Lusaka, MBAR Mbarara, LDK Lodwar, LBTB Lobatse, LBTB Lobatse, ATD Arta Tur, BOSA Boshof, BOSA Boshof, BOSA Boshof, TSUM Tsumeb, SUR Sutherland, SUR Sutherland, RAYN Ar Rayn, WSAK Wadi Sarin, PALK Pallekele, EIL Eliat, MMAI Mount Meron Ar, HRA Herat, HRA Herat, TORD Torodi Ar, Bea, TORD Torodi Ar, Bea, KBL Kabul, KBL Kabul, BRTR Keskin Array B, DBIC Dimbokro, DBIC Dimbokro.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like SIMJ Simiganj, CHGR Chyngaron, KBZ Khabaz, GAR Garm, BRDH Baradihala, VAE Vaikunara, ULN Karatay Array, KKAR Karatay Array, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, AAK Ala-Archa, ABKAR Akbulak Array, AKTO Aktyubinsk, AKASO Malin Array Bea, BELG Belogomov, BELG Belogomov, ARSA Arzberg, RONA Rosalia, VRAC Vranovo, VRAC Vranovo, FETA Feichten, GERES GERESS Array B, MAKZ Makanchi, MAKZ Makanchi, MK31 Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, BVAR Borovoye Array, KURBB Kurchatov Arr, ESCD Sonseca Array, ARTI Arti, ARTI Arti, KIRV Kirov, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, FINES FINESSE Array B, HFS Hagfors, QSPA South Pole Qui, QSPA South Pole Qui, QSPA South Pole Qui, NOA NORARS Array B, EKA Eskdale Air, SONMI Sogingo Array, VVND Vanda, ARCES ARCESS Array B, ARCES ARCESS Array B, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, ILAR Eielson Array, YKA Yellowknife Arr, PDAR Pinedale Array, TXAR Lajitas Array, NVAR Mina Array Bea, IDC 23 20:23:09.4:2.1, 43.74N:105.38W, h0km, mbmp2.9/2, ML1.7/1, Error ellipse: s-maj=49.4km s-min=10.2km az=151.0, NEIC 23 20:23:09.8:1.3, 43.67N:105.32W:0.05, h0km, 1km, ML3.1/22, Error ellipse: s-maj=7.6km s-min=5.0km az=212.0, ISC 23 20:23:09.9:1.2, 43.69N:0.06:105.22W:0.06, h0km, n17, s=148/16, Wyoming

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like FLWY comp=N,46nm,1.7s, FLWY comp=N,36nm,1.4s, K30B Bozeman W, BOZ Bozeman W, BOZ Bozeman W, HWUT comp=N,10nm,2.4s, HWUT Hardware Ranch, HWUT comp=N,26nm,1.1s, HWUT comp=N,26nm,1.1s, EGMTE Eagleton, P18A Preston Nutter, H10CA LAC DU BONNET, ULM LAC DU BONNET, ULM LAC DU BONNET, ULM LAC DU BONNET, IDC 23 20:48:46.5:1.0, 36.41N:28.81E, h0km, mb3.5/6, mbmp3.6/14, ML3.4/7, Error ellipse: s-maj=18.5km s-min=14.4km az=171.0, THE 23 20:48:46.5, 36.33N:28.82E, h0km, ML3.0/2, Error ellipse: s-maj=1.4km s-min=0.4km az=163.0, AFAD 23 20:48:47.5, 36.44N:28.73E, h7km, 2km, ML2.9, ISK 23 20:48:47.7, 36.48N:28.72E, h3km, ML3.5/24, ATH 23 20:48:47.7, 36.32N:28.63E, h47km, 3km, ML3.0/3, Error ellipse: s-maj=3.6km s-min=1.1km az=183.0, ISC 23 20:48:47.2:1.1, 36.38N:0.03:28.72E:0.02, h5km, g8km, n66, s=1155/90, mb3.4/6, Dodecanese Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res. Includes stations like GCAM, BCK, BASM, SMG, ISM, etc.

RNSC 23 21:00:02.9-0.7, N=1.72W, h3km,2km, M2.6, mb4.1, ML2.4, Northern Colombia

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res. Includes stations like PAMC, TAMC, BARC, RUSC, etc.

NEIC 23 21:03:14.1-1.2, 7.2S, 0.1, 155.0E, 0.1, h10km, 1km, mb4.5/10, Error ellipse: s-maj=30.5km s-min=6.4km az=215.0

ISC 23 21:03:20.3-3.0, 7.58S, 155.16E, h72km, 29km, mb3.6/7, mbtmp4.0, MS3.1/1, Error ellipse: s-maj=38.6km s-min=17.9km az=165.0

ISC 23 21:03:17.9-0.7, 7.2S, 0.1, 155.10E, 0.08, h41km, n27, s1940/27, mb4.1/12, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res. Includes stations like RABL, HNR, PMG, CTA, WB0, WRA, AS31, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res. Includes stations like K15K, J17K, J17K, etc.

ISC 23 21:06:29.6, 1.6, 37.49N, 142.25E, h0km, mb3.6/6, mbtmp3.6/7, ML2.8/2, MS2.7/2, Error ellipse: s-maj=27.1km s-min=26.6km az=109.0

JMA 23 21:06:33.2-0.2, 37.7N, 0.4, 142.3E, 1.0, h34km, 2km, MW3.7/28, SE OFF MIYAGI PREF

NIED 23 21:06:33.2, 37.71N, 142.33E, h34km, MW3.6, Moment Tensor Solution. s3 Moment tensor: Scale 10^14 Nm; M=0.75; M=0.05; M=0.70; M=1.23; M=0.11; M=2.44; Fault plane solution: M2.82000x10^14 NP1: p=330.00000, s=89.00000, n=135.00000. NP2: p=320.00000, s=84.00000, n=83.00000

ISC 23 21:06:31.0-4.3, 37.63N, 142.34E, 0.09, h11km, 27km, n27, s1970/24, mb3.5/6, Off east coast of Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res. Includes stations like JIKH, JIKH, JIO, etc.

ISC 23 21:14:25.6-0.9, 30.33S, 177.87W, h0km, mb4.1/5, mbtmp4.1/5, Error ellipse: s-maj=30.1km s-min=17.6km az=95.0

ISC 23 21:14:31.9-0.9, 30.35S, 178.0W, 0.2, h46km, n20, s154/15, mb4.2/5, Kermadec Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res. Includes stations like RAO, RAO, RAO, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res. Includes stations like MOS, NEIC, IDC, AEIC, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase, ID, Time, Res. Includes stations like TRF, TRF, TRF, etc.

23d 21h

Table with columns for station ID, name, elevation, and various data points. Includes stations like PMR, M20K, J20K, etc.

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Table with columns for station ID, name, elevation, and various data points. Includes stations like KLU, H24K, GLI, etc.

1370

Table with columns for station ID, name, elevation, and various data points. Includes stations like L27K, BCAR, G19K, etc.

1371

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like M30M, I30M, C14K, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like EYMN, ECDSD, MVCO, etc.

23d 21h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like OBN, MK31, MKAR, etc.

Table with columns: STA, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Tenmabayaraci, Yonezawaaracadi, OTAMA OYAMA, etc.

Table with columns: STA, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ohasama, Rokugo, Matsuhiro Arr, etc.

Table with columns: STA, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TXAR, ANMO Albuquerque, PFO Pinyon Flats O, etc.

24d Oh

Table with columns: Code, Station Name, Az, AzZ, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like P16K Nushagak River, H21K Melozitna River, G23K Bananza Creek, etc.

2019 JAN

Table with columns: Code, Station Name, Az, AzZ, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like G15K Niukluk, TOLK Toolik Lake Re, WHY Whitehorse, SKAG Skagway, etc.

1374

Table with columns: Code, Station Name, Az, AzZ, Phase, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAKZ Makanchi, KURK Kurchatov, KURBB Kurchatov Arra, etc.

Table with columns: PMG, Port Moresby, 4.77 218 Pn, Pn, 00 46 33.8 -1.3, 1.8nm, 0.3s, baz=38, slow=17, SNR=1.5

BGR 24 00:52:33.1, 18:53S:171:73W, h33km
IDC 24 00:52:36.8, 0.5, 15:05S:173:55W, h0km, mb4.6/19,
mbmp4.6/20, ML3.6/1, MS4.3/49, Error ellipse:
s-maj=20.6km s-min=14.4km az=150.0

MOS 24 00:52:37.3, 1.3, 15:08S:173:49W, h10km, mb5.5/36,
Error ellipse: s-maj=9.3km s-min=8.2km az=71.4

NEIC 24 00:52:38.6, 14.85S:172:86W, h26km, Moment Tensor
Solution. Duration: 14s Moment tensor: Scale 10^10Nm;
Mn=3.04, Mw=2.58, Mx=0.46, My=2.12, Mz=0.14, Mw=0.95;
Fault plane: S: 340.000; 101 NP: 1;
P: 266.35000; 826.51000; lambda=107.43000; NP2:
0=105.68000; 864.80000; lambda=81.50000; Principal axes:
T 3.3587, Plg19.0000, Azm189.0000; N 0.5635,
Plg8.0000, Azm282.0000; P -3.9222, Plg69.0000,
Azm33.0000;

NEIC 24 00:52:38.6, 1.5, 15:14S:0:09, 173:38W, 0:08, h10km, 1km,
mb5.4/18, Mww5.0/9 Error ellipse: s-maj=15.5km
s-min=12.6km az=197.0

NEIC 24 00:52:38.6, 15:15S:173:38W, h26km
GCMT 24 00:52:41.7, 0.2, 14:30S:0:01, 173:31W, 0:02, h20km,
Mw5.1/12, Moment Tensor Solution. s69 c82;
s112c155; Duration: 0 Moment tensor: Scale 10^16Nm;
Mn=4.77; 16; Mw=4.17; 11; Mx=0.60; 09; Mw=0.2; 17;
Mw=0.27; 07; My=0.20; 18; Best double couple:
Mw=83700*10^16 NP1=102.00000; 844.00000;
lambda=64.00000; NP2=247.00000; 852.00000;
lambda=113.00000; Principal axes: T 4.2310, Plg4.0000;
Azm353.0000; N 1.2120, Plg18.0000; Azm262.0000; P
-5.4430, Plg72.0000; Azm96.0000; nsta1 refers to body
waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

NOU 24 00:52:41.0, 14:76S:173:01W, h0km, mb4.9/22, Samoa
Islands, P1000

ISC 24 00:52:41.0, 0.2, 15:17S:0:06, 173:27W, 0:05, h30km
n770, c1811/722, mb5.3/111, MS4.4/50, 49C-36D, Tonga
Islands, P1000

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: KIP, Kippa, 39.32 23 I/P, P, T, 01 00 07.2 -0.4, comp=Z, 66nm, 1.7s

Table with columns: H1N1, WAKE ISLAND Hy 39.77 330, T, T, 01 42 09.3, comp=Z, 149, slow=76, SNR=64

Table with columns: H1N1, WAKE ISLAND Hy 39.79 330, T, T, 01 42 09.8, comp=Z, 149, slow=76, SNR=64

Table with columns: MTSU, Hobart Surprise, 40.68 260, P, P, 01 00 18.4 -0.7, comp=Z, 149, slow=76, SNR=37

Table with columns: CMSA, Cobar Meteorol, 41.13 247, P, P, 01 00 18.7 -1.1, comp=Z, 149, slow=76, SNR=64

Table with columns: QLP, Quilpie, 41.13 247, P, P, 01 00 22.9 +0.2, comp=Z, 149, slow=76, SNR=64

Table with columns: COEN, Coen, 42.12 266, P, P, 01 00 29.7 -1.3, comp=Z, 149, slow=76, SNR=64

Table with columns: TOO, Toolangi, 42.71 231, P, P, 01 00 34.2 -1.3, comp=Z, 149, slow=76, SNR=64

Table with columns: CORO, Coronation Par, 43.04 225, P, P, 01 00 39.0 +1.0, comp=Z, 122nm, 1.8s

Table with columns: TAU, Tasmania Univ, 43.57 223, P, P, 01 00 40.4 -1.9, comp=Z, 122nm, 1.8s

Table with columns: STKA, Stephens Creek, 44.26 240, P, P, 01 00 46.0 -2.1, comp=Z, 122nm, 1.8s

Table with columns: STKA, Stephens Creek, 44.26 240, P, P, 01 00 46.0 -2.1, comp=Z, 122nm, 1.8s

Table with columns: O15K, Ungalikthiuk R, 74.89 7 P, P, 01 04 19.8 +1.3, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

Table with columns: P16K, Nushagak River, 74.98 8 P, P, 01 04 20.1 +1.1, comp=Z, 4.9nm, 0.6s

Table with columns: P17K, Kvichak River, 75.36 9 P, P, 01 04 23.0 +1.8, comp=Z, 194

Table with columns: N14K, Kuskokwak Cree, 75.41 6 P, P, 01 04 23.2 +1.7, comp=Z, 63nm, 1.4s

Table with columns: M11K, Mekoryuk, 75.50 4 P, P, 01 04 22.5 +0.5, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

Table with columns: M11K, Mekoryuk, 75.50 4 P, P, 01 04 22.5 +0.7, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

Table with columns: O16K, Kokwok River B, 75.51 8 P, P, 01 04 22.5 +0.4, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

Table with columns: PINE, Pine Mountain, 75.64 36 P, P, 01 04 24.4 +0.9, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

Table with columns: P18K, Big Mountain, 75.73 9 P, P, 01 04 22.9 -0.6, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

Table with columns: P18K, Big Mountain, 75.73 9 P, P, 01 04 24.1 +0.7, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

Table with columns: M13K, Dall Lake, 75.74 5 P, P, 01 04 24.9 +1.5, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

Table with columns: R11B, Troy Canyon, C, 75.80 43 P, P, 01 04 25.0 +0.5, comp=Z, 2, 104nm, 18.0s, baz=28, slow=34

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Table with columns: ID, Name, Elevation, Date, Time, Status, etc. Includes entries like V35K Ketchikan, SIT Sitka, U33K Whale Pass, etc.

2019 JAN

Table with columns: ID, Name, Elevation, Date, Time, Status, etc. Includes entries like YUK8 Steele Glacier, G16K Koyuk River, YUK6 Outlet Mounta, etc.

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Table with columns: ID, Name, Elevation, Date, Time, Status, etc. Includes entries like M30M Minto, Yukon, J26L Joseph Creek, L29M L29M, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations like AKASG, DAVAS, BJUU, etc.

IDC 24 01:46:05.8:1.6, 19:82N:146:66E, h0km, mb3.6/6, mblmp3.6/6, MS3.2/1, Error ellipse: s-maj=53.6km, s-min=29.9km az=89.0

ISC 24 01:46:10.7:1.5, 19:8N:02:146:8E:0.4, h35km, n7, c018/6, mb3.6/6, Mariana Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like HNR, WRA, ZALV, etc.

NEIC 24 01:57:19.0:1.4, 14:4S:0:1x167:3E:0.2, h168km, 8km, mb4.4/17, Error ellipse: s-maj=25.6km s-min=13.6km az=124.0

IDC 24 01:57:18.4:6.0, 14:28S:167:21E, h161km, 58km, mb3.6/6, mblmp4.0/7, Error ellipse: s-maj=50.6km s-min=25.7km az=155.0

ISC 24 01:57:19.1:0.8, 14:37S:0:08:167:3E:0.2, h170km, n36, c083/38, mb4.3/14, Vanuatu Islands

Large table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like SANVU, DZM, WBO, etc.

KRSC 24 02:09:44.4:1.2, 55:33N:164:39E, h48km, 23km, MI3.5, Komandorsky Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like BKI, KBTR, K13K, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations like KOZ, SRDR, ESO, etc.

NEIC 24 02:17:01.6:1.2, 14:5S:0:1x165:71E:0.0, h10km, 1km, mb4.5/8, Error ellipse: s-maj=17.0km s-min=6.9km az=1.0

IDC 24 02:17:07.6:12.0, 14:87S:164:84E, h0km, mb3.9/3, mblmp3.9/4, ML3.8/1, MS3.8/1, Error ellipse: s-maj=210.8km s-min=35.4km az=50.0

ISC 24 02:17:00.8:0.8, 14:41S:0:09:165:75E:0.08, h10km, n25, c151/24, mb4.4/6, Vanuatu Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like SANVU, DZM, WBO, etc.

IDC 24 02:26:35.2:0.9, 3:17S:146:79E, h0km, mb4.2/13, mblmp4.3/15, ML4.4/2, MS3.9/39, Error ellipse: s-maj=27.2km s-min=17.4km az=95.0

NEIC 24 02:26:36.8:1.3, 3:10S:0:08:146:67E:0.06, h10km, 1km, mb5.0/31, Error ellipse: s-maj=14.7km s-min=8.1km az=143.0

BUI 24 02:26:37.4:2.73S:146:76E, h7km, mb4.9/9, mb4.5/37, Ms4.6/13, Ms7.4/3/15

GCMT 24 02:26:40.6:0.2, 3:13S:0:01:146:49E:0.01, h19km, 1km, M1/5, 0:11/3, Moment Tensor Solution s36.0/4, s113, c164, Duration: 0. Moment tensor: Scale 10^16Nm; Mn=0.52t; 12; Mw=1.37t; 10; Mo=0.84t; 10; Mo=0.63t; 20; Mw=3.04t; 09; Mw=10.16t; 19; Best double couple: M=3.30600x10^16 NP1=90.00000, 878.00000, -1.176.00000. NP2=90.00000, 886.00000, -1.12.00000. Principal axes: T 3.5420, Plg6.0000, Azm145.0000; N -0.4720, Plg77.0000; Azm264.0000; P -3.0690, Plg11.0000; Azm54.0000; nstai refers to body waves, cutoff=40s. nstaz2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 24 02:26:42.1:0.9, 3:15S:0:01:146:49E:0.01, h19km, 1km, M1/5, 0:11/3, Moment Tensor Solution s36.0/4, s113, c164, Duration: 0. Moment tensor: Scale 10^16Nm; Mn=0.52t; 12; Mw=1.37t; 10; Mo=0.84t; 10; Mo=0.63t; 20; Mw=3.04t; 09; Mw=10.16t; 19; Best double couple: M=3.30600x10^16 NP1=90.00000, 878.00000, -1.176.00000. NP2=90.00000, 886.00000, -1.12.00000. Principal axes: T 3.5420, Plg6.0000, Azm145.0000; N -0.4720, Plg77.0000; Azm264.0000; P -3.0690, Plg11.0000; Azm54.0000; nstai refers to body waves, cutoff=40s. nstaz2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 24 02:26:36.9:0.4, 3:18S:0:05:146:75E:0.06, h10km, n121, c1579/94, mb4.7/35, MS4.0/42, 2C-1D, Bismarck Sea

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like MANU, TABU, JAY, etc.

Large table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations like EIDS, SOEI, DAV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHUL, TWQ1, WQF1, etc.

ISK 24 02:57:16.4, 38°75N, 38°16E, h5km, ML2.4/10
AFAD 24 02:57:17.6, 38°76N, 38°16E, h7km, 2km, ML2.6
ISC 24 02:57:18.1, 1.1, 1.3, 38.76N, 0.03, 38.16E, 0.03, h7km, 9km, n20, c075/32, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HEKM, MAYA, AKCD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MEX 24 03:00:30.3, PNIG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NEIC 24 03:01:25.7, HVO 24 03:01:25.2, JOKA, etc.

MOS 24 03:04:56.0, 6.81N, 73°07W, h161km, mb5.1/32, Error ellipse: s-maj=8.2km s-min=5.1km az=112.8
VAO 24 03:04:56.9, 6.66N, 73°03W, h150km, 4km, mb5.1
IDC 24 03:04:57.0, 6.76N, 72°96W, h161km, 3km, mb4.5/28, mbtmp4.9/34, MS3.5/9, Error ellipse: s-maj=7.6km s-min=5.6km az=118.0

NEIC 24 03:04:57.0, 6.75N, 73°01W, 0.07, h159km, 6km, mb5.2/433, Error ellipse: s-maj=10.4km s-min=9.2km az=116.0
RSNC 24 03:04:57.0, 7°1'N, 1°7'W, h152km, 2km, M5.3, mb5.7, mb5.6, ML5.0, Mw(MB)5.3
GCMT 24 03:04:57.0, 6.89N, 0.02, 73°14W, 0.02, h172km, 4km, MM4.9/85, Moment Tensor Solution, s16, c16; s85, c113; Duration: 0 Moment tensor: Scale 10^16Nm; Mw-1.96±.13; Mw±2.21±.14; Mw-1.5±.09; Mw-1.4±.10; Best double couple: M3.22500x10^16 Np1±122.00000°, s84.00000°, -1.171.00000°. NP2: 2.9560, Plg19.0000°, Azm80.0000°. N 0.5410, Plg53.0000°, Azm197.0000°; P -3.4950, Plg31.0000°, Azm338.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UWB, HLC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MEDEC, UREC, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SOCE Pocosol, YACR Volcan Arenal, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PBO1 IPOC Station P, Y57A Sumter, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like R50A Paris, PEBM Pemiscott Bayo, etc.

ALLY	comp=Z,76nm,0.9s	I Amb	I Amb	03 11 39.0
L59A	Walton	35.28 357	P	03 11 37.7 +1.2
L59A	comp=Z,32nm,0.9s	I Amb	I Amb	03 11 39.1
KLM	Saint Louis	35.28 336	P	03 11 37.1 +0.6
SLM	Saint Louis	35.28 336	P	03 11 37.1 +0.6
SLM	SLM		pmax	
BINY	Binghamton	35.34 356	P	03 11 38.9 +1.9
BINY	comp=Z,59nm,1.1s	I Amb	I Amb	03 11 39.8
N49A	Columbus Grove	35.38 345	P	03 11 38.6 +1.2
N49A	comp=Z,79nm,1.2s	I Amb	I Amb	03 11 39.5
L56A	Greenwood	35.40 354	P	03 11 39.1 +1.5
L56A	comp=Z,68nm,1.0s	I Amb	I Amb	03 11 40.7
L61B	Northampton	35.50 1	P	03 11 39.9 +1.6
L61B	baz=181			
OZNA	Ozona	35.57 316	P	03 11 39.3 +0.1
M50A	Fremont	35.57 347	P	03 11 40.4 +1.4
NBPB	Pedra_Branca-C	35.61 109	eP	03 11 39.8 0.0
ABTX	Abilene, Howe	35.63 320	I Amb	03 11 40.2 +0.5
ABTX	comp=Z,76nm,0.9s	I Amb	I Amb	03 11 41.2
WTF5	Witchita Falls	35.66 322	P	03 11 40.5 +0.7
WTF5	comp=Z,84nm,0.8s	I Amb	I Amb	03 11 41.2
W35A	Tecumseh	35.70 325	P	03 11 40.0 -0.2
W35A	comp=Z,27nm,0.6s	I Amb	I Amb	03 11 41.2 +1.1
SFIN	Lafayette	35.71 342	P	03 11 41.2 +1.1
SAND	Sanderson	35.71 314	I Amb	03 11 40.6 +0.2
SAND	comp=Z,30nm,0.8s	I Amb	I Amb	03 11 42.1
K62A	Royalston	35.72 1	P	03 11 41.4 +1.2
K62A	comp=Z,46nm,1.0s	I Amb	I Amb	03 11 42.9
N47A	Urbana	35.75 344	P	03 11 41.6 +1.1
WVNY	West Valley, N	35.79 353	P	03 11 42.2 +1.3
WVNY	comp=Z,74nm,1.1s	I Amb	I Amb	03 11 43.5
S39A	Bolivar	35.82 332	P	03 11 41.3 +0.1
S39A	comp=Z,49nm,0.7s	I Amb	I Amb	03 11 43.0
R40A	Maddies Statio	35.84 334	P	03 11 41.6 +0.3
JANB	Januarja	35.85 127	eP	03 11 41.0 -0.7
X34A	Smith Ranch, M	35.86 324	I Amb	03 11 42.5 +1.0
X34A	comp=Z,42nm,0.7s	I Amb	I Amb	03 11 43.5
P43A	Skaggs, Pawnee	35.88 338	P	03 11 42.0 +0.4
K57A	Scipio	35.90 356	I Amb	03 11 43.0 +1.2
K57A	comp=Z,43nm,0.7s	I Amb	I Amb	03 11 44.1
DEOK	Depew	36.00 327	P	03 11 43.3 +0.6
DEOK	comp=Z,43nm,0.7s	PcP	PcP	03 14 07.2 +1.3
SGCY	Sterling City	36.17 317	I Amb	03 11 44.5 +0.2
SGCY	comp=Z,46nm,0.8s	I Amb	I Amb	03 11 45.3
SGCY	comp=Z,46nm,0.8s	PcP	PcP	03 14 07.9 +1.4
OK031	S. Brethren Rd	36.27 326	P	03 11 44.6 -0.4
OK052	Battle Ridge R	36.27 327	P	03 11 45.2 +0.1
CPUP	Villa Florida	36.32 156	P	03 11 41.7 -3.8
CPUP	comp=Z,4.2nm,0.7s,baz=393,slow=8.5,SNR=11	pP	pP	03 12 18.2 -1.9
CPUP	comp=Z,3.0nm,0.6s,baz=332,slow=9.5,SNR=2.8	ScP	ScP	03 17 36.9 -1.9
CPUP	comp=Z,3.1nm,0.8s,baz=336,slow=4.3,SNR=6.4	LR	LR	03 29 04.5
QUOK	Quay	36.35 327	P	03 11 45.8 +0.1
PMNB	Patos De Minas	36.40 134	eP	03 11 46.2 -0.2
L48A	N Adams	36.41 346	I Amb	03 11 46.9 +0.8
L48A	comp=Z,136nm,1.6s	I Amb	I Amb	03 11 48.7
ACCN	Adirondack Com	36.43 359	P	03 11 47.3 +1.1
TX31	Lajitas Ar. Si	36.50 312	I Amb	03 11 47.8 +0.6
TX31	comp=Z,54nm,0.8s	I Amb	I Amb	03 11 47.7 +0.5
TXAR	Lajitas Array	36.50 312	P	03 11 47.7 +0.5
TXAR	comp=Z,24nm,0.7s,baz=127,slow=9.1,SNR=280	pP	pP	03 12 22.8 +1.7
TXAR	comp=Z,3.1nm,0.6s,baz=124,slow=4,SNR=2.1	PcP	PcP	03 14 09.1 +1.5
TXAR	comp=Z,5.5nm,0.7s,baz=136,slow=5.6,SNR=7.3	ScP	ScP	03 17 38.9 -0.7
TXAR	comp=Z,0.4nm,0.9s,baz=120,slow=3.9,SNR=1.9	LR	LR	03 17 38.9 -0.7
WMOK	Wichita Mounta	36.51 323	P	03 11 46.9 -0.2
WMOK	comp=Z,24nm,0.7s	I Amb	I Amb	03 11 47.7
WMOK	Wichita Mounta	36.51 323	P	03 11 46.9 -0.2
WMOK	comp=Z,41nm,0.8s	I Amb	I Amb	03 11 47.7
MEDO	Medina	36.52 353	P	03 11 48.6 +1.6
J59A	Plesco	36.53 358	P	03 11 48.5 +1.4
J57A	Williamstown	36.54 356	I Amb	03 11 48.9 +1.6
J57A	comp=Z,100nm,1.0s	I Amb	I Amb	03 11 49.5
AAM	Ann Arbor	36.57 347	P	03 11 49.5 +2.1
AAM	Ann Arbor	36.57 347	P	03 11 49.5 +2.1
AAM	comp=Z,70nm,0.6s	pmax	pmax	
SN05	Snyder S	36.60 319	P	03 11 48.9 +0.9
SN05	comp=Z,66nm,0.8s	I Amb	I Amb	03 11 49.4
SN07	Snyder 07	36.74 319	P	03 11 49.7 +0.6
SN07	comp=Z,49nm,0.7s	I Amb	I Amb	03 11 50.3
P40A	Paris	36.78 335	P	03 11 49.6 +0.3
K50A	Casco	36.80 348	P	03 11 50.6 +1.2
HPIG	Hydro, Custer	36.85 307	P	03 11 51.3 +0.9
LDASE	Londrina, Braz	36.90 145	eP	03 11 49.2 -1.4
MNHN	Monahans	36.95 315	P	03 11 51.2 +0.2
MNHN	comp=Z,33nm,0.6s	I Amb	I Amb	03 11 51.6
L46A	Eue Claire	36.97 344	P	03 11 51.3 +0.5
NCB	Newcomb	37.03 359	P	03 11 52.5 +1.2
NCB	comp=Z,54nm,1.2s	I Amb	I Amb	03 11 54.5
ALPN	Alpine	37.03 313	P	03 11 52.2 +0.5
CSTR	Hydro, Custer	37.03 324	P	03 11 52.9 +0.8
POST	Post	37.12 319	P	03 11 52.9 +0.5
DKNS	Dickens	37.13 320	P	03 11 53.0 +0.6
DKNS	comp=Z,41nm,0.8s	I Amb	I Amb	03 11 53.9
ODSA	Odesa	37.26 316	P	03 11 53.5 -0.1
ODSA	comp=Z,63nm,1.2s	I Amb	I Amb	03 11 56.9
LBNH	Lisbon	37.30 1	P	03 11 55.0 +1.4
LBNH	comp=Z,33nm,0.8s	I Amb	I Amb	03 11 56.1
LBNH	Lisbon	37.30 1	P	03 11 55.0 +1.4
LBNH	comp=Z,33nm,0.8s	pmax	pmax	
N41A	Harden Midland	37.31 337	P	03 11 53.6 -0.1
P36A	Dawn	37.31 353	P	03 11 53.6 +0.3
KAN09	Caidwell North	37.56 327	P	03 11 55.8 -0.3
KAN09	comp=Z,63nm,0.8s	I Amb	I Amb	03 11 56.8
L44A	Lake County Fo	37.60 342	P	03 11 56.0 -0.1
L44A	baz=155			
KAN14	Manchester OK	37.62 326	P	03 11 56.4 0.0
KAN14	comp=Z,43nm,0.7s	I Amb	I Amb	03 11 57.0
KAN05	Bluff City Nor	37.68 327	P	03 11 56.5 -0.4
KAN05	comp=Z,69nm,1.0s	I Amb	I Amb	03 11 57.9
J47A	Summer	37.73 346	P	03 11 58.3 +1.1
PECS	Pecos	37.74 314	P	03 11 58.0 +0.3
FRFB	Fartura	37.77 143	eP	03 11 57.2 -0.7
DELO	Deloro Mine	37.77 355	I Amb	03 11 58.0 +0.5
DELO	comp=Z,30nm,0.6s	I Amb	I Amb	03 11 59.1
ELIS	Ellis County	37.80 324	P	03 11 58.6 +0.6
FRNY	Flat Rock	37.88 359	P	03 11 59.5 +1.1
KAN12	Harper NE Stat	37.88 327	I Amb	03 11 58.8 +0.2
KAN12	comp=Z,73nm,0.8s	I Amb	I Amb	03 11 59.4
NOKA	Waynoka	37.92 325	P	03 11 59.4 +0.4
H9A	Point Hope	37.96 349	P	03 12 00.4 +1.3
L42A	Oliver, Polo	38.01 349	P	03 11 59.0 -0.3
WBO	Williamsburg	38.09 357	P	03 12 01.8 +1.6

WBO	comp=Z,72nm,1.1s	I Amb	I Amb	03 12 02.4
SADO	Sadowa	38.18 353	P	03 12 02.1 +1.1
SADO	comp=Z,38nm,0.8s	I Amb	I Amb	03 12 03.0
K43A	Burlington	38.20 342	P	03 12 01.2 +0.1
VHRN	Van Horn	38.23 313	P	03 12 02.2 +0.4
VHRN	comp=Z,64nm,1.1s	I Amb	I Amb	03 12 03.4
DIAM	Diamantina, MG	38.27 131	eP	03 12 01.5 -0.7
G62A	West of Eustis	38.33 3	P	03 12 03.8 +1.6
G62A	comp=Z,37nm,0.7s	I Amb	I Amb	03 12 04.9
N38A	Joes South For	38.33 335	P	03 12 02.5 +0.3
ZON	Zonda	38.37 174	P	03 12 01.9 -0.8
ZON	comp=Z,37nm,0.7s	pP	pP	03 12 02.5 -0.3
MSTX	Muleshoe	38.52 319	P	03 12 04.4 +0.3
MSTX	comp=Z,68nm,0.9s	I Amb	I Amb	03 12 05.8
KSU1	Kansas State U	38.52 330	P	03 12 03.9 0.0
MNTQ	Montreal, Queb	38.55 359	P	03 12 06.1 +2.1
MNTQ	comp=Z,65nm,0.8s	I Amb	I Amb	03 12 06.5
L40A	Anamosa	38.62 338	P	03 12 04.7 0.0
L40A	comp=Z,60nm,0.7s	I Amb	I Amb	03 12 05.2
NBLV	Livramento - P	38.72 111	eP	03 12 05.9 -0.1
JFWS	Jewell Farm	39.02 340	P	03 12 08.5 +0.5
JFWS	Jewell Farm	39.02 340	P	03 12 08.5 +0.5
JFWS	comp=Z,182nm,0.7s	pmax	pmax	
R32A	Long Quarter,	39.09 327	P	03 12 08.7 0.0
R32A	comp=Z,64nm,1.2s	I Amb	I Amb	03 12 09.5
VAO	Valinhos	39.12 140	P	03 12 08.2 -1.0
VAO	comp=Z,24nm,0.7s	I Amb	I Amb	03 12 09.2
VAO	Valinhos	39.12 140	eP	03 12 08.7 -0.5
SLBS	Sierra La Lagu	39.16 299	P	03 12 11.8 +2.3
SLBS	comp=Z,48nm,1.1s	I Amb	I Amb	03 12 12.8
SLBS	Sierra La Lagu	39.16 299	P	03 12 11.6 +2.0
RCBR	Riachuelo	39.17 108	P	03 12 09.7 0.0
GLMI	Grayling	39.18 347	I Amb	03 12 10.6 +1.3
GLMI	comp=Z,68nm,0.7s	I Amb	I Amb	03 12 13.9
BSCB	Bom Sucesso	39.20 135	eP	03 12 09.8 0.0
SPB	Sao Paulo	39.25 141	eP	03 12 09.2 -1.0
SCIA	State Center	39.26 336	P	03 12 10.4 +0.4
TRQ	Mont Tremblant	39.29 358	P	03 12 11.4 +1.2
NBLA	Lagarto - SE	39.33 116	eP	03 12 10.6 -0.9
VA03	San Esteban	39.43 177	P	03 12 12.1 +0.5
N35A	Tabor	39.44 333	P	03 12 11.4 -0.2
ITAB	Concordia	39.46 150	P	03 12 09.2 -2.6
I42A	Draeger Farm,	39.46 342	P	03 12 12.2 +0.6
LMN	Caledonia Moun	39.55 9	P	03 12 13.5 +1.1
LMN	comp=Z,33nm,0.9s	I Amb	I Amb	03 12 14.2
H43A	Windswept, Lux	39.65 343	P	03 12 14.0 +0.8
EPT	El Paso	39.86 313	P	03 12 15.0 -0.3
CMCN	Camacan, BA	39.89 124	eP	03 12 15.0 -0.6
CBKS	Cedar Bluff	39.93 327	I Amb	03 12 16.8 +0.2
CBKS	comp=Z,113nm,1.4s	I Amb	I Amb	03 12 16.6
CBKS	Cedar Bluff	39.93 327	P	03 12 15.8 +0.2
CBKS	comp=Z,113nm,1.4s	pmax	pmax	
I40A	Norwalk	40.01 340	P	03 12 16.4 +0.3
I40A	comp=Z,67nm,0.8s	I Amb	I Amb	03 12 17.2
RTBA	Rita Blanca	40.04 322	P	03 12 17.5 +0.8
RTBA	comp=Z,133nm,1.4s	I Amb	I Amb	03 12 18.4
GU01	Guaratinga, BA	40.30 126	eP	03 12 18.4 -0.5
MT09	Talagante	40.41 177	P	03 12 20.2 +0.5
E46A	Sauli Ste Mari	40.58 348	P	03 12 19.0 +1.1
LMQ	La Malbeia	40.66 3	I Amb	03 12 23.0 +1.5
BATG	Bathurst New B	40.77 7	P	03 12 23.1 +0.8
BATG	comp=Z,30nm,0.6s	I Amb	I Amb	03 12 24.0
F42A	Maple Grove Fa	40.93 344	P	03 12 24.1 +0.4
F42A	comp=Z,63nm,0.6s	I Amb	I Amb	03 12 24.7
LDAO	Lac Daran	41.04 2	P	03 12 25.7 +1.0
LDAQ	comp=Z,34nm,0.7s	I Amb	I Amb	03 12 26.7
BGNE	Belgrade	41.04 331	P	03 12 24.4 0.0
BGNE	comp=Z,101nm,0.9s	I Amb	I Amb	03 12 25.8
G40A	Rib Lake	41.10 342	P	03 12 25.7 +0.6
G40A	comp=Z,62nm,1.1s	I Amb	I Amb	03 12 26.6
I37A	Lemond, Waseca	41.11 338	P	03 12 25.0 -0.2
I37A	comp=Z,109nm,1.5s	I Amb	I Amb	03 12 26.0
121A	Cookes Peak, D	41.18 313	P	03 12 27.6 +1.5
121A	comp=Z,55nm,1.1s	I Amb	I Amb	03 12 29.0
121A	Cookes Peak, D	41.18 313	P	03 12 27.1 +1.5
121A	baz=121,SNR=24			
RIB01	Linhars ES	41.36 129	eP	03 12 27.1 -0.4
T25A	Trinidad	41.52 321	P	03 12 29.9 +0.9
T25A	Trinidad	41.52 321	P	03 12 30.8 +1.8
T25A	baz=129,SNR=20			
COWI	Conover	41.53 343	P	03 12 29.2 +0.6
COWI	comp=Z,77nm,0.9s	I Amb	I Amb	03 12 30.9
ANMO	Albuquerque	41.55 317	P	03 12 30.0 +0.8
ANMO	Albuquerque	41.55 317	P	03 12 30.3 +1.1
ANMO	comp=Z,11nm,0.8s,baz=310,slow=8.2,SNR=22			
ANMO	Albuquerque	41.55 317	eP	03 12 30.1 +1.0
DUBO	Frisco-RJ	41.59 132	eP	03 12 30.2 +0.3
KSCO	Kaye Shedlock	41.68 325	P	03 12 30.4 +0.3
KSCO	comp=Z,47nm,0.7s	I Amb	I Amb	03 12 31.7
319A	Douglas	41.		

24d 3h

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like H17A Grant Village, YNE Yellowstone No, LLO2 Futaleufu, etc.

2019 JAN

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like NUUG Nuugaatsiaq, ICESG Greenland Ices, U53K Hyder, etc.

1384

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like EKA Eskdalemuir Ar, INK Inuvik, INK Inuvik, etc.

BRSE	Bradley Lake S	77.93	330	P	P	03 16 38.2 +1.0
F24K	Squaw Lake	77.95	338	P	P	03 16 38.6 +1.4
BWN	Brown	77.98	334	P	P	03 16 37.1 -0.2
CUT	Chullina	78.07	332	P	P	03 16 38.4 +0.6
I23K	Minto, Yukon-K	78.09	335	P	P	03 16 38.6 +0.7
SUA	Susitna One	78.16	331	P	I	03 16 39.2 +0.7
SUA	Susitna One	78.16	331	P	I	03 16 40.2
SUA	Susitna One	78.16	331	P	P	03 16 39.3 +0.7
KMY	Karmoy	78.21	31	eP	P	03 16 38.9 +0.2
TRF	Thorfare Moun	78.23	333	P	P	03 16 39.7 +0.7
E24K	Your Creek	78.28	338	P	P	03 16 40.1 +1.1
KTH	Kantishna Hill	78.52	333	P	P	03 16 41.1 +0.6
SKT	Skwentna	78.60	332	P	P	03 16 41.5 +0.6
D24K	Happy Valley	78.61	339	P	P	03 16 41.7 +1.0
NOR	Nord	78.62	7	iP	I	03 16 40.2 -0.3
NOR	Nord	78.62	7	iP	I	03 16 41.4
G23K	Bananza Creek	78.62	337	P	P	03 16 42.1 +1.2
BPAW	Bear Paw Mtn.	78.63	334	P	P	03 16 41.6 +0.6
C24K	Franklin Bluff	78.67	340	P	P	03 16 42.1 +1.0
E23K	Chandalar	78.69	338	P	P	03 16 42.3 +1.0
COLD	Chandalar	78.78	337	P	P	03 16 43.1 +1.5
TOLK	Toolik Lake Re	78.78	339	P	P	03 16 42.2 +0.4
SPCR	Spurr Chakacha	78.83	331	P	P	03 16 42.5 +0.3
BL5S	Blasio	78.85	31	eP	I	03 16 44.0 +1.7
BL5S	Blasio	78.85	31	eP	I	03 16 44.0
O20K	Slope Mountain	78.92	330	P	P	03 16 43.0 +0.3
ODD1	Odda	78.98	30	eP	P	03 16 44.0 +1.0
OHAK	Old Harbor	79.00	327	P	P	03 16 43.9 +0.8
PPLA	Purkeypile	79.01	333	P	P	03 16 43.7 +0.5
CAST	Castle Rocks	79.02	333	P	I	03 16 43.3 +0.2
CAST	Castle Rocks	79.02	333	P	I	03 16 44.2
CAST	Castle Rocks	79.02	333	P	P	03 16 43.3 +0.2
H22K	Ishlitalina Cre	79.04	336	P	P	03 16 43.6 +0.4
SNART	Snartemo	79.14	32	eP	I	03 16 44.6 +0.8
SNART	Snartemo	79.14	32	eP	I	03 17 02.5
CHUM	Lake Minchumin	79.18	334	P	P	03 16 44.3 +0.4
P19K	Oil Pt	79.18	329	P	P	03 16 44.3 +0.2
I21K	Tanana	79.19	335	P	P	03 16 44.3 +0.3
D23K	Nanushuk River	79.23	339	P	P	03 16 45.5 +1.3
Q19K	Cape Douglas,	79.33	329	P	P	03 16 45.9 +1.0
M20K	Styx River	79.34	332	P	P	03 16 45.2 +0.2
AKN	Aaknes	79.38	28	eP	I	03 16 46.2 +1.1
AKN	Aaknes	79.38	28	eP	I	03 17 28.0
SII	Sitkinak Island	79.45	326	P	P	03 16 45.7 +0.1
H21K	Melozitna Rive	79.59	336	P	P	03 16 46.8 +0.6
L20K	Farewell, AK	79.74	332	P	P	03 16 47.3 +0.2
O19K	Port Alsworth	79.77	330	P	P	03 16 46.7 -0.4
SKAR	Skarslia	79.88	30	eP	I	03 16 49.0 +1.2
SKAR	Skarslia	79.88	30	eP	I	03 16 59.3
N19K	Bonanza Creek	79.90	331	P	P	03 16 47.7 -0.3
K20K	Telida	79.91	333	P	P	03 16 48.0 +0.1
M19K	Big River Lodg	79.93	332	P	P	03 16 48.4 +0.4
D22K	Ayikyak River	79.94	339	P	P	03 16 49.0 +1.0
G21K	Allakaket	79.97	336	P	P	03 16 49.2 +1.0
J20K	Novinta River	80.01	334	P	P	03 16 48.7 +0.3
F21K	Alatina River	80.04	337	P	P	03 16 49.8 +1.3
MUD	Monsted U'grnd	80.08	34	iP	I	03 16 49.1 +0.2
MUD	Monsted U'grnd	80.08	34	iP	I	03 16 55.8
L19K	White Mountain	80.17	332	P	P	03 16 49.5 +0.2
P18K	Big Mountain,	80.18	329	P	P	03 16 49.4 -0.1
O18K	Koktuh Hills	80.19	330	P	I	03 16 49.7 +0.2
O18K	Koktuh Hills	80.19	330	P	I	03 17 38.5
O18K	Koktuh Hills	80.19	330	P	P	03 16 49.4 -0.1
CHIR	Chirikof Island	80.21	325	P	P	03 16 50.5 +0.8
DAVA	Damuels	80.26	43	iP	P	03 16 51.4 +1.1
DAVA	Damuels	80.26	43	iP	P	03 16 50.6 +0.4
B22K	Teshkepuk Lake	80.37	340	P	P	03 16 50.8 +0.6
H20K	Antolenege Mo	80.44	335	P	P	03 16 51.1 +0.4
Q17K	Contact Creek	80.46	328	P	P	03 16 50.9 -0.1
M18K	Kilae Creek	80.58	330	P	P	03 16 51.6 +0.1
M18K	Stony River	80.59	331	P	P	03 16 51.7 +0.1
J19K	Pooman	80.64	334	P	P	03 16 52.2 +0.4
C21K	Knifeflade Rid	80.72	339	P	P	03 16 53.1 +1.0
TTA	Tatalina	80.75	333	P	P	03 16 53.4 +0.9
P7K	Kivchak River	80.79	329	P	P	03 16 52.8 +0.2
FETA	Feichten	80.84	44	eP	P	03 16 53.0 -0.4
RETA	Reutte	80.86	43	iP	P	03 16 53.6 +0.2
Q16K	King Salmon	80.88	328	P	P	03 16 53.1 -0.0
F20K	Avarart Lake	80.90	337	P	P	03 16 53.9 +0.9
A22K	Sinclair Lake	80.96	341	P	P	03 16 54.5 +1.2
L18K	Granite Mouna	81.03	332	P	P	03 16 54.1 +0.2
H19K	Roundabout Mou	81.09	335	P	P	03 16 54.8 +0.7
MOTA	Moosalm	81.10	43	eP	P	03 16 55.2 +0.4
J18K	Innoko River	81.10	333	P	P	03 16 54.5 +0.3
O17K	Koliganek Bris	81.14	329	P	P	03 16 54.4 -0.1
E20K	Nigu River	81.16	338	P	P	03 16 55.7 +1.2
SQTA	Sankt Quirin	81.17	43	eP	P	03 16 55.6 +0.5
N17K	Nushagak Hills	81.21	330	P	P	03 16 55.0 +0.1
GC5A	Galena City Sc	81.23	334	P	P	03 16 55.7 +0.8

NB2	NORSAR Subarra	81.32	29	P	P	03 16 55.7 +0.2
NB2	NORSAR Subarra	81.32	29	P	P	03 16 55.7 +0.2
NOA	NORSAR Array B	81.32	29	P	P	03 16 55.6 +0.2
D20K	Etiyuk River	81.34	338	P	P	03 16 56.5 +1.0
M17K	Holtina River	81.36	331	P	P	03 16 56.6 +1.0
G19K	Purcell Mouna	81.39	336	P	P	03 16 56.3 +0.6
NC60K	NORSAR Array B	81.47	30	eP	P	03 16 57.5 +1.3
E19K	Redstone River	81.51	337	P	P	03 16 57.2 +0.9
A21K	Barrow	81.52	341	P	P	03 16 57.2 +0.9
P16K	Nushagak River	81.58	329	P	P	03 16 56.8 0.0
O16K	Kokwok River B	81.64	329	P	P	03 16 57.2 0.0
L17K	Donlin	81.78	332	P	P	03 16 58.6 +0.7
K17K	Iditarod	81.80	332	P	P	03 16 58.6 +0.7
H18K	Hornosa River	81.88	335	P	P	03 16 59.4 +1.3
D19K	Kuna River	81.88	338	P	P	03 16 59.6 +1.1
COP	Copenhagen	81.89	35	iP	I	03 16 57.8 -0.7
COP	Copenhagen	81.89	35	iP	I	03 16 59.5
G18K	Tagagavik	82.02	336	P	P	03 16 59.9 +0.9
ABTA	Abfattersbach	82.07	44	P	P	03 16 60.0 +0.2
M16K	Timber Creek	82.09	331	P	P	03 17 00.4 +0.9
J17K	VABM Dome	82.16	333	P	P	03 17 00.8 +1.0
LESA	Schwarzlootal	82.28	43	eP	P	03 17 00.1 -0.1
CLL	Colim	82.28	39	iP	P	03 16 59.3 -1.4
CLL	Colim	82.28	39	iP	P	03 38 00.0
L16K	Owhat River	82.34	331	P	P	03 17 01.8 +1.1
F17K	Selavik	82.43	336	P	P	03 17 01.8 +0.7
H18K	Granite Mouna	82.53	335	P	P	03 17 02.8 +1.1
HFS	Hagfors	82.53	30	P	P	03 17 01.6 -0.2
KBA	Koelbrenreisp	82.63	43	eP	P	03 17 02.2 -0.6
KHC	Kasperske Hory	82.71	41	eP	P	03 17 02.9 -0.1
KHC	Kasperske Hory	82.71	41	eP	P	03 17 03.1 +0.1
E18K	Tukpalearik C	82.81	337	P	P	03 17 03.7 +0.7
GERES	GERES Array B	82.81	42	P	P	03 17 02.8 -0.8
G17K	Kwik Mouna	82.84	335	P	P	03 17 04.6 +1.3
J16K	Anvik River	82.85	333	P	P	03 17 05.0 +1.7
I17K	Unalakleet	82.88	334	P	P	03 17 05.1 +1.7
M15K	Kasigluk River	82.94	330	P	P	03 17 04.8 +1.0
C18K	Utukok River	83.02	338	P	P	03 17 05.0 +0.8
F17K	Baldwin Pennin	83.07	336	P	P	03 17 05.3 +0.9
B18K	Kokolik River	83.22	339	P	P	03 17 06.5 +1.4
MOA	Molin	83.22	43	eP	P	03 17 05.5 -0.1
O14K	Tiguykavuet M	83.27	329	P	P	03 17 07.0 +1.4
SPA0	Spitsbergen Ar	83.27	12	P	P	03 17 06.2 +1.0
SPITS	Spitsbergen Ar	83.27	12	P	P	03 17 06.3 +1.0
E17K	Hotham Inlet	83.29	337	P	P	03 17 06.5 +1.0
L15K	Ungalak Mouna	83.30	331	P	P	03 17 06.8 +1.1
K15K	Wolf Creek Mou	83.30	332	P	P	03 17 06.8 +1.1
PVCC	Panska Vees	83.30	40	eP	P	03 17 06.5 +0.6
PVCC	Panska Vees	83.30	40	eP	P	03 17 06.5 +0.6
N14K	Kuskokwak Cree	83.46	330	P	P	03 17 07.3 +0.8
OBKA	Obi	83.48	44	eP	P	03 17 08.3 +1.2
H16K	Elim	83.53	334	P	P	03 17 08.0 +1.2
G16K	Koyuk River	83.56	335	P	P	03 17 08.2 +1.3
M14K	Bethel	83.56	330	P	P	03 17 07.8 +0.8
RD0G	Red Dog Mine	83.67	338	P	P	03 17 08.3 +0.8
D17K	Noatak River	83.75	337	P	P	03 17 08.7 +0.9
C17K	DeLong Mounai	83.75	338	P	P	03 17 08.9 +1.0
S12K	Black Hills	83.85	325	P	P	03 17 08.9 +1.0
L14K	Kuka Creek	83.89	331	P	P	03 17 09.2 +0.6
J14K	Nanvaranak Lak	84.22	332	P	P	03 17 12.0 +1.7
CHVC	Chvalec	84.24	40	eP	P	03 17 11.4 +0.6
CHVC	Chvalec	84.24	40	eP	P	03 17 11.4 +0.6
M13K	Dall Lake	84.26	330	P	P	03 17 12.2 +1.7
G15K	Niuluk	84.29	335	P	P	03 17 12.3 +1.7
CONA	Conrad Observa	84.29	43	eP	P	03 17 11.6 +0.5
OSTC	Ostas	84.35	40	eP	P	03 17 12.0 +0.7
OSTC	Ostas	84.35	40	eP	P	03 17 12.0 +0.7
TRO	Tromso	84.37	21	eP	I	03 17 12.7 +1.7
TRO	Tromso	84.37	21	eP	I	03 17 34.2
DPC	Dobruska-Polom	84.43	40	eP	P	03 17 12.2 +0.4
DPC	Dobruska-Polom	84.43	40	eP	P	03 17 12.2 +0.4
DPC	Dobruska-Polom	84.43	40	eP	P	03 17 11.9 +0.1
F15K	North Star DR	84.49	333	P	P	03 17 13.2 +1.5
C16K	Lisburne Hills	84.56	338	P	P	03 17 13.1 +1.2
RONA	Rosalia, Austr	84.60	43	eP	P	03 17 12.3 -0.3
KRLC	Kraliky	84.74	40	eP	P	03 17 13.5 +0.2
KRLC	Kraliky	84.74	40	eP	P	03 17 13.5 +0.2
K13K	Kusilyak Moun	84.79	332	P	P	03 17 14.4 +1.2
ANM	Notre-Dame	84.89	334	P	P	03 17 14.8 +1.1
JETT	Jettan, Norway	84.89	21	eP	P	03 17 14.2 +0.6
MODS	Modra-Piesok	85.20	42	eP	P	03 17 16.3 +0.7
MODS	Modra-Piesok	85.20	42	eP	P	03 17 16.3 +0.7
F14K	Arctic Creek	85.21	335	P	P	03 17 16.7 +1.4
HOPEN	Hopen	85.31	43	eP	P	03 17 16.9 +1.3
STEB	Steborice	85.39	40	eP	P	03 17 17.0 +0.5
MAUC	Maruska	85.48	41	eP	P	03 17 17.6 +0.6
M11K	Mekoryuk	85.68	330	P	P	03 17 19.1 +1.5
TNA	Tin City	85.86	335	P	P	03 17 19.5 +1.1
KTK1	Kautokeino	85.96	21	eP	I	03 17 19.4 +0.5
KTK1	Kautokeino	85.96	21	eP	I	03 17 21.7
VYHS	Vyhne	86.22	42	eP	P	03 17 21.1 +0.4
VYHS	Vyhne	86.22	42	eP	P	03 17 21.1 +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BORG, IGVG, IYGY, SFJUD, NOA, ESDC, RES, YKA, ILAR, PDAR, BBB, TORD.

SDD 24 04:31:46.4z 1.1, 18.29N:70.01W, h1km, 120km, MD3.0, ML2.7, MW3.1

OSPL 24 04:32:23.9z 0.5, 18.18N:71.42W, h24km, 4km, ML1.8

ISC 24 04:31:43.0z 3.1, 18.3N:01.69:9W, h10km, n9, c193/16, 2C-1D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BANI, EANI, ABDR, PODR, LONE3, LOBH, JIDR.

ISC 24 04:42:23.4z 0.4, 4.79S: 152.90E, h0km, mb4.0/9, mbmp3.4/10, ML2.0/1, MS3.2/5, Error ellipse: s-maj=71.3km, s-min=21.3km, az=15.0z

NEIC 24 04:42:27.9z 1.0, 5.08S:0.06:53.14E, h3km, 1km, mb4.6/16, Error ellipse: s-maj=11.9km, s-min=5.6km, az=325.0

ISC 24 04:42:28.0z 0.6, 5.13S:0.07:153.05E, h0km, n33, c14/31, mb4.3/17, MS3.2/3, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RABL, PMG, CTA, TARA, DZM, SAUI, WBO, WFR, WBE, WRA, KNRA, ASAR, FITZ, TOL2, HIZ, ASAJ, KLR, CMAR, MA2, SONM, CASY, LSA, O18K, MKAR, ZALV, ILAR, KURBB, QSPA, N30M, BVAR, TORD.

ISC 24 04:47:40.8z 0.1, 38.4N:0.4:142.1E:0.7, h3km, 1km, MV1.6/27, E OFF MIYAGI PREF, Near east coast of

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like eastern Honshu, JIKH, JIKH, JIO, JKMT, JKMT, OFUJ, OFUJ, JMK, JMK, JOU, JOU.

ISC 24 04:47:46.4z 6.8, 38.51N:143.11E, h0km, mb3.8/3, mbmp3.7/5, ML2.9/2, Error ellipse: s-maj=115.7km, s-min=40.2km, az=125.0

JMA 24 04:48:01.4z 0.1, 38.51N:0.2:141.7E:0.5, h53km, MV3.7/37, KINKAZAN REGION

JMA Feil J JT at KINKAZAN REGION. ISC 24 04:48:00.4z 1.6, 38.51N:0.06:141.8E:0.1, h54km, gkm, n23, c064/25, mb3.6/3, 13D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like eastern Honshu, JIKH, JIKH, JIO, JKMT, JKMT, OFUJ, OFUJ, JMK, JMK, JOU, JOU, JMM, JMM, JOM, JOM, JYK, JYK, JRG, JRG, JFW, JFW, JYS, JYS, MJAR, MJAR, USRK, USRK.

H1N2 WAKE ISLAND Hy 28.68 124 T T 05 24 10.3

H1N1 WAKE ISLAND Hy 28.69 124 T T 05 24 11.7

H1N3 WAKE ISLAND Hy 28.70 124 T T 05 25 06.7

H1S1 WAKE ISLAND Hy 29.44 126 T T 05 25 06.8

H1S3 WAKE ISLAND Hy 29.44 126 T T 05 25 08.0

H1S2 WAKE ISLAND Hy 29.45 126 T T 05 55 59.0

ZALV Zalesovo Beam 41.16 311 P P 04 55 38.4 -0.8

MKAR Makanchi Array 43.61 301 P P 04 55 59.0 -0.3

KURBB Kurchatov Arra 45.35 307 P P 04 56 12.7 -0.3

OMAN 24 04:55:50.3z 1.6, 27.98N:57.52E, h10km, mb4.5/4, ml3.3/8, Error ellipse: s-maj=16.5km, s-min=8.1km, az=12.0

TEH 24 04:55:53.4z 2.7, 73N:57.62E, h22km, 25km, ISC 24 04:55:54.0z 1.1, 27.79N:0.06:57.53E:0.05, h10km, n31, c155/35, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KHNJ, IBND, GENO, KBAM, JASK, JASK, JGRK, NGRK, SHME, BANOH, KHGB, SOHO, HOQ, HOQ, DIDO, BSRN, IMEH, ARQ, ARQ, SMDO, GSY, ITEG, WBK, GHWR, JLN, KLNJ, SHMA, SHMA, SMRA, SMRA, DOK, DOK, WHFO, ABTO.

ISC 24 05:15:22.6z 2.6, 0.86S:98.47E, h0km, mb3.6/3, mbmp3.5/4, ML3.1/1, MS3.0/3, Error ellipse: s-maj=101.7km, s-min=25.1km, az=60.0

DJA 24 05:15:28.4z 0.8, 1.5z:4.9E:1.1, h23km, gkm, M3.5/7, MLV3.5/7

ISC 24 05:15:28.4z 0.9, 0.61S:0.06:98.70E:0.06, h32km, n24, c097/14, mb3.5/3, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PPSI, SISI, MNSI, PPI, PDSI, PDSI, GSI, GSI, PPSI, PPSI, PSI, PSI, SNSI, LEM, HOSB2, HOSB3, WRA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR, MKAR, H04N2, H04N1, H04N3, H04S1, H04S3, H04S2, EIL, TXAR.

SJA 24 05:16:04.5z 0.7, 30.13S:71.38W, h21km, 2km, ML2.9, MW3.1

GUC 24 05:16:02.0z 0.9, 30.19S:71.22W, h60km, 3km, ML3.2

ISC 24 05:16:08.6z 1.1, 30.16S:0.03:71.41W:0.05, h41km, 12km, n36, c196/53, 3C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like La Serena, Tololo Observa, Tololo Observa, El Pedregal, El Pedregal, Juntas del Tor, Juntas del Tor, Las Campanas, Las Campanas, Las Campanas, Las Campanas, Rodeo, Rodeo, Llanos de Chal, Llanos de Chal, Cuesta del Vie, Cuesta del Vie, Cerro Coronel, Cerro Coronel, Reserva Natura, Reserva Natura, Leoncito, Leoncito, GUANDACOL, GUANDACOL, San Esteban, San Esteban, Zonda, Zonda, Cerro Villicon, Cerro Villicon, El Roble, El Roble, Torpederas, Torpederas, Peldehue, Peldehue, Curacav, Curacav, Vinchina, Vinchina, Salagasta, Salagasta, Renca, Renca, CERRO ARCO, CERRO ARCO, Universidad Ar, Universidad Ar, Ro Olivares, Ro Olivares, Bocatoma Ro, Bocatoma Ro, Popeta, Popeta, Maricunga, Maricunga, Tunca, Tunca, Sierra Bellavi, Sierra Bellavi, San Rafael, San Rafael.

ISC 24 05:29:11.8z 1.8, 10.61N:63.26W, h5km, MW3.4

TRN 24 05:29:12.6z 10.50N:63.31W, h105km, MD4.1, Venezuela

ISC 24 05:29:12.1z 1.9, 10.55N:0.05:63.30W:0.03, h17km, 13km, n30, c113/46, 1C, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cumana, UDO, Puerto La Cruz, Puerto La Cruz, Puerto La Cruz, Puerto La Cruz.

ISC 24 05:29:12.1z 1.9, 10.55N:0.05:63.30W:0.03, h17km, 13km, n30, c113/46, 1C, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cumana, UDO, Puerto La Cruz, Puerto La Cruz, Puerto La Cruz, Puerto La Cruz.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TDCB Tech, WTK Tuku, EWS4 EOS4, etc.

NNC 24 07:16:45.4±1.0, 0.030N:78.52E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=9.7km s-min=4.9km az=82.0, Suspected Mining explosion.

IDC 24 07:16:45.9±0.9, 50.07N:78.78E, h0km, mbtmp3.0/3, ML2.5/3, Error ellipse: s-maj=11.0km s-min=6.3km az=57.0

ISC 24 07:16:45.6±0.9, 50.030N:0.057870E:0.04, h0km, n22, ±1545/34, 16C-11D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUR07 Kurchatov Arra, KUR06 Kurchatov Arra, etc.

0.1nm,0.3s,baz=119,slow=28,SNR=3.8
0.6nm,0.5s
AAK Ala-Archa 7.94 203 Lg Lg 07 20 54.5
0.2nm,0.3s,baz=258,slow=23,SNR=1.9

RSNC 24 07:21:00.5±0.9, 1°N:3°8'0W, h6km, 6km, M3.2, ML3.6
IGQ 24 07:21:05.9±0.6, 1°N:3°8'0W, h8km, 2km, M3.2, ML3.6/36
ISC 24 07:21:05.3±1.5, 0.57N:0.03:80.06W:0.04, h2km±11km, n86, ±1501/101, 13C-11D, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AAMA1 Acelerografo, AV21 Acelerografo, AES2 Ecuador-Puerto, etc.

SJA 24 07:25:43.4±0.6, 30.030S:71.71W, h37km, 5km, ML3.7, MW3.8
GUC 24 07:25:46.9±0.7, 30.125S:71.30W, h65km, 3km, ML4.0
BPAT Tanguarhuja Vol 2.52 142 P
IDC 24 07:25:47.8±3.5, 30.245S:71.21W, h82km, 30km, mb3.2/2, mbtmp3.8/5, MS2.9/1, Error ellipse: s-maj=49.0km s-min=27.7km az=99.0

ISC 24 07:25:46.1±0.9, 30.030S:0.03:71.67W:0.04, h58km±8km, n73, ±1979/86, 10P, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CO05 La Serena, CO05 La Serena, CO05 La Serena, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LCO Las Campanas, LCO Las Campanas, CO01 Juntas de Tal, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details for stations like H11N3, H11N1, H11N2, AAK, and ZALV.

ADC 24 07:27:32.3e.1.1, 49.74N:81.53E, h0km, mbtmp2.5/2, ML1.9/2, Error ellipse: s-maj=16.5km s-min=8.4km az=56.0

NNC 24 07:27:36.0e.0.9, 49.32N:80.97E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=18.0km s-min=5.2km az=56.0

ISC 24 07:27:32.1e.0.9, 49.51N:0205.8155E:0.06, h0km, n12, z=05/16, 5C-3D, Eastern Kazakhstan

Main table for station data in the first column, including SEM, KURK, KURB, MAKZ, MK31, MKAR, ZSN, H46RU, ZALV, ZALV, ZALV, OTUK, BVAR, and others.

MEX 24 07:50:40.1e.1.4, 16.56N:94.45W, h12km, 22km, MD3.8, Oaxaca

Table for station data in the second column, including CMIG, UXUV, NEUV, HUIG, TOIG, TXIG, and others.

ADC 24 07:51:52.0e.2.0, 36.61N:105.22E, h0km, mb3.7/8, mbtmp3.7/11, ML3.6/3, MS3.4/1, Error ellipse: s-maj=33.7km s-min=15.5km az=55.0

ISC 24 07:51:57.3e.1.0, 36.68N:011.1052E:0.1, h35km, n12, z=08/12, mb3.8/8, Western Nei Mongol

Main table for station data in the third column, including SONM, KRSR, MKAR, ZALV, KURBB, BVAR, MA2, FINES, AKASO, WRA, ASAR, and YKA.

ADC 24 08:04:36.0e.0.50, 16.75S:175.75W, h0km, mb3.9/3, mbtmp3.9/3, Error ellipse: s-maj=93.1km s-min=172.7km az=79.0, Tonga Islands

Table for station data in the fourth column, including STKA, WRA, and ASAR.

2.5nm, 0.6s, baz=88, slow=8.5, SNR=39 2.5nm, 0.6s
ADC 24 08:06:04.0e.5.0, 34.72S:71.61W, h0km, mb3.8/4, mbtmp3.7/6, ML4.1/2, MS2.8/4, Error ellipse: s-maj=28.2km s-min=22.1km az=51.0
SJA 24 08:06:06.7e.0.6, 35.09S:72.10W, h4km, 4km, ML4.2, MW4.1
GUC 24 08:06:10.3e.0.8, 35.00S:71.81W, h49km, 2km, ML4.1
NEIC 24 08:06:10.1e.1.4, 35.01S:0.04:71.92W:0.05, h44km, 12km, mb4.2/9, Error ellipse: s-maj=6.4km s-min=4.7km az=112.0

Main table for station data in the fifth column, including GO05, BO03, ML02, BO01, BO02, MT01, VA05, MT09, BO04, BI02, MT12, LMEL, MT13, MT02, MT05, MT03, MT16, BI05, VA01, PEL, FCH, ROC1, ROC2, ROC3, ROC4, EDSS, MT04, MT04, MT08, VA06, VA06, VA03, VA03, RFA, CANA, AAGR, AAGR.

Main table for station data in the sixth column, including AAGR, AVIZ, ARCO, ASAL, ASAL, LC01, RTL5, RTL5, LC02, CO03, CO03, CO03, ZON, ZON, ZON, GO06, GO06, LR03, LR03, LR03, GO04, GO04, LR04, CO05, LR05, CO01, AR0D, AR0D, PLCA, PLCA, PLCA, PLCA, PLCA, PLCA, H03S1, H03S3, H03S3, H03S2, H03S2, H03N1, H03N3, H03N3, H03N2, LCO, LL05, AC04, LL01, AC06, GO07, AC02, TR0A, AC01, CPUP, CPUP, GO01, PB16, PB16, LPAZ, LPAZ, LPAZ, AQDB, AQDB, PTLB, PTLB, ETMB, ETMB, BOAV, BOAV, BAUV, RCBA, RCBA, TEIG, TXAR, TORD, PDAR, MODS, H11S2, H11S1, H11S3, H11N3, H11N1, H11N2, MKAR, MKAR, NOUN, ISC, Code, Station Name, Frequency, Mode, Power, and other technical details for stations like AAGR, AVIZ, ARCO, ASAL, ASAL, LC01, RTL5, RTL5, LC02, CO03, CO03, CO03, ZON, ZON, ZON, GO06, GO06, LR03, LR03, LR03, GO04, GO04, LR04, CO05, LR05, CO01, AR0D, AR0D, PLCA, PLCA, PLCA, PLCA, PLCA, PLCA, H03S1, H03S3, H03S3, H03S2, H03S2, H03N1, H03N3, H03N3, H03N2, LCO, LL05, AC04, LL01, AC06, GO07, AC02, TR0A, AC01, CPUP, CPUP, GO01, PB16, PB16, LPAZ, LPAZ, LPAZ, AQDB, AQDB, PTLB, PTLB, ETMB, ETMB, BOAV, BOAV, BAUV, RCBA, RCBA, TEIG, TXAR, TORD, PDAR, MODS, H11S2, H11S1, H11S3, H11N3, H11N1, H11N2, MKAR, MKAR, NOUN, ISC.

Table with columns: STATION, NAME, TIME, RES, and various parameters. Includes stations like VATNC Mamie plateau, ONTNC Ouen Toro, and H11S2 WAKE ISLAND Hy 28.83.

IDC 24 08:10:09.4:2.6,53.89N,86.56E,h0km,mbtmp2.6/2, ML2.3/2, Error ellipse: s-maj=21.5km s-min=12.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALESOVO INFRA, ZALV Zalesovo Beam, and MKAR Makanchi Array.

IDC 24 08:10:13.1:3.0, 15.47N,95.59E,h0km,mb3.5/3, mbtmp3.4/4, ML3.7/1, MS2.3/1, Error ellipse: s-maj=17.7km s-min=27.6km az=174.0, Near south coast of Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, and KURBB Kurchatov Arra.

BJI 24 08:34:51.8, 19.43N, 121.14E, h7km, mB5.4/70, mb5.1/84, ML5.2/4, ML5.3/9, MS7.5/287

ISC-PP 24 08:34:52.19:24N, 121.14E, h48km, Mwpps5.9, Moment Tensor Solution. s44 Moment tensor: Scale 1017Nm; Mn:0.67; 19; M0:0.42; 22; M0:0.24; 16; Mn:0.22; 15; M0:0.20; 20; M0:0.26; 22; Fault plane solution: Mo:9.12000*1017 NP1:36.143.40000*, 845.30000*, 117.30000*. NP2:36.287.20000*, 850.80000*, 185.10000*.

NEIC 24 08:34:52.4, 19.25N, 121.14E, h30km MOS 24 08:34:52.2:0.9, 19.16N, 121.25E, h37km, mb5.6/55, MS5.0/36, Error ellipse: s-maj=6.3km s-min=3.7km az=112.1

NEIC 24 08:34:52.3:1.5, 19.24N, 121.14E, h19km, 1km, mb5.0/143, Ms 5.0/121, Mw5.6/2, Error ellipse: s-maj=11.9km s-min=9.1km az=96.0

NEIC 24 08:34:52.4, 19.35N, 121.14E, h30km, Moment Tensor Solution. Duration: 287 Moment tensor: Scale 1017Nm; Mn:2.26; M0:0.18; M0:2.07; M0:0.17; M0:0.97; M0:1.02; Fault plane solution: Mo:2.59000*1017 NP1:36.32000*, 836.45000*, 111.80000*. NP2:36.189.88000*, 856.52000*, 174.66000*. Principal axes: T 2.5421, Plg74.0000*, Azm59.0000*; N 0.0982, Plg13.0000*, Azm198.0000*; P -2.6402, Plg10.0000*, Azm291.0000*.

IPGP 24 08:34:53.0, 19.24N, 121.15E, h29km, Mw5.6, Fault plane solution: NP1:36.20000*, 839.00000*, 199.00000*. NP2:36.192.0000*, 852.00000*, 183.00000*.

IDC 24 08:34:54.0:1.3, 19.14N, 121.23E, h38km, 10km, mb4.9/44, mbtmp5.1/48, ML4.8/4, MS4.9/77, Error ellipse: s-maj=12.0km s-min=7.5km az=74.0

GCMT 24 08:34:54.3:0.1, 19.30N, 120.86E, h101.1, h35km, Mw5.6/154, Moment Tensor Solution. s140, c261; s154, c287; Duration: 156 Moment tensor: Scale 1017 Nm; Mn:2.77; 04; M0:0.30; 03; M0:2.47; 03; Mn:0.22; 03; M0:1.26; 02; M0:1.32; 04; Best double couple: Mo:3.20500*1017 NP1:36.32000*, 833.00000*, 110.00000*. NP2:36.198.00000*, 857.00000*, 182.00000*. Principal axes: T 3.0860, Plg76.0000*, Azm84.0000*; N 0.2370, Plg7.0000*, Azm202.0000*; P -3.3240, Plg12.0000*, Azm293.0000*; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

MAN 24 08:34:54.1, 19.13N, 121.27E, h22km, mb6.0, ML5.0, MS5.5

MAN INTENSITY V - CALAYAN CAGAYAN; INTENSITY IV - APARRI CLAVERIA AND PAMPLONA CAGAYAN; LAOAG CITY: ADAMS BACARRA BANGUI BATAO CURRIMAO DINGRAS BAGUDIP PASUGUIN SAN NICOLAS AND VINTAR ILOCOS - NORTE; INTENSITY III - CALCALA CAGAYAN; CERVANTES AND SINAIT ILOCOS SUR; INTENSITY II- GONZAGA AND SANTA ANA CAGAYAN.

DJA 24 08:34:54.1:0.3, 19.1N, 121.1E, h35km, 3km, M5.3/76, mb5.5/76, mb5.8/48, MLV5.7/5, Mw(mB)5.3/48, MwMwp5.2/26, Mwp5.5/26

ISC 24 08:34:52.4:0.3, 19.15N, 121.19E, h27km, 1km, h28km; p-P, n1179, s1387/1318, mb5.4/262, MS5.0/174, 44C-45D, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SZP Santa, TWGBT Beinan, and YHNB Yeheng.

Main table with columns: STATION, NAME, TIME, RES, and various parameters. Includes stations like YHNB Yeheng, YOJ Yonaguni jima, and TATA Taipei.

Table with columns: STATION, NAME, TIME, RES, and various parameters. Includes stations like TIA comp=Z,71nm,0.7s, TIA comp=Z,260nm,3.5s, and TIA comp=Z,5um,17.5s.

CM31	comp=Z,5um,18.0s	21.07 272	P	P	08 39 35.2 +0.5
CM31	Chiang Mai Arr		IAMB	IAMB	08 39 53.3
CMAR	comp=Z,199nm,1.2s	21.07 272	P	P	08 39 36.1 +1.4
CMAR	Chiang Mai Arr		PcP	PcP	
CMAR	comp=Z,37nm,0.9s,baz=76,slow=9.2,SNR=161		S	S	08 43 27.2 -0.8
CMAR	comp=Z,0.9nm,0.3s,baz=0.7,slow=8.5,SNR=1.6		PcP	PcP	
CMAR	comp=Z,5.6nm,0.7s,baz=351,slow=0.6,SNR=8.1		ScP	ScP	08 43 41.3 +0.4
CMAR	comp=Z,4.4nm,0.9s,baz=46,slow=1.3,SNR=9.4		LR	LR	08 47 14.6 -1.4
CMAR	comp=Z,5um,18.3s,baz=85,slow=39		LR	LR	08 48 33.9
STKI	Sintang	21.23 208	P	P	08 39 38.3 +1.9
BJT	Baijiatuu	21.24 349	P	P	08 39 36.5 +0.3
BJT	Baijiatuu		IAMB	IAMB	08 39 51.9
BJT	Baijiatuu	21.24 349	P	P	08 39 37.4 +1.1
BJT	Baijiatuu		P	P	08 39 36.5 +0.3
BJT	Baijiatuu		Pmax	Pmax	
BJI	Beijing	21.26 349	P	P	08 39 37.1 +0.6
BJI			pP	pP	08 39 41.3 -2.3
BJI			sP	sP	08 39 43.8 -3.3
BJI			PP	PP	08 39 59.9 +3.4
BJI			S	S	08 43 25.9 -6.3
BJI			Ss	Ss	08 43 31.3 -7.8
BJI			SSn	SSn	08 43 57.8 +3.3
BJI			Pmax	Pmax	
BJI	comp=Z,36nm,1.6s		Pmax	Pmax	
BJI	comp=Z,450nm,3.5s		LR	LR	
BJI	comp=Z,2um,18.5s		LR	LR	
BJI	comp=Z,2um,17.7s		LR	LR	
BJI	comp=Z,3um,16.1s		LR	LR	
INU	Inuyama	21.36 38	P	P	08 39 38.7 +1.2
INU	Inuyama		IAMB	IAMB	08 39 50.9
INU	Inuyama	21.36 38	P	P	08 39 39.2 +1.6
INU	Inuyama	21.60 41	P	P	08 39 40.6 +0.5
JSG	Sagara	21.60 41	P	P	08 39 41.6 +1.4
JSG	SRDT	21.66 261	P	P	08 39 42.5 +1.5
JGF	Kuroka	21.73 38	P	P	08 39 41.3 -0.4
JGF	Kuroka		IAMB	IAMB	08 39 53.3
JGF	Kuroka	21.73 38	P	P	08 39 42.9 +1.3
TNCH	TengChong	21.79 290	P	P	08 39 44.3 +1.7
TNCH			sP	sP	08 39 49.9 +0.2
TNCH			PP	PP	08 40 05.9 +1.8
TNCH			S	S	08 43 38.5 -4.0
TNCH			sS	sS	08 43 48.8 -3.4
TNCH			Pmax	Pmax	
TNCH	comp=Z,120nm,0.5s		Pmax	Pmax	
TNCH	comp=Z,630nm,4.6s		LR	LR	
TNCH	comp=Z,3um,11.5s		LR	LR	
TNCH	comp=Z,8um,15.9s		LR	LR	
TNCH	comp=Z,6um,15.9s		LR	LR	
TTSI	Tana Toraja	22.10 184	P	P	08 39 47.0 +1.3
TTSI	Soroni	22.21 152	P	P	08 39 47.8 +0.9
SWI	Shenyang	22.69 5	P	P	08 39 52.0 +0.2
SNY			S	S	08 43 55.3 -3.2
SNY			Pmax	Pmax	
SNY	comp=Z,21nm,0.8s		Pmax	Pmax	
SNY	comp=Z,820nm,4.7s		LR	LR	
SNY	comp=Z,2um,14.5s		LR	LR	
SNY	comp=Z,2um,11.7s		LR	LR	
SNY	comp=Z,3um,14.7s		LR	LR	
LZH	Lanzhou	22.76 321	P	P	08 39 54.3 +1.5
LZH			sP	sP	08 40 02.8 -0.6
LZH			S	S	08 43 56.8 -3.3
LZH			sS	sS	08 44 06.4 -1.6
LZH			ScP	ScP	08 47 19.5 -0.6
LZH			PcS	PcS	08 47 25.3 +2.1
LZH			ScS	ScS	08 51 05.3 -0.6
LZH			Pmax	Pmax	
LZH	comp=Z,210nm,1.2s		Pmax	Pmax	
LZH	comp=Z,820nm,5.1s		LR	LR	
LZH	comp=Z,7um,17.5s		LR	LR	
LZH	comp=Z,5um,19.2s		LR	LR	
LZH	comp=Z,10um,17.2s		LR	LR	
MAJO	Matsushiro	22.88 37	P	P	08 39 54.0 +0.1
MAJO	Matsushiro		IAMB	IAMB	08 40 18.1
MAJO	Matsushiro	22.88 37	P	P	08 39 54.2 +0.3
MAJO	Matsushiro	22.88 37	P	P	08 39 54.0 +0.1
MJAR	Matsushiro Arr	22.88 37	P	P	08 39 54.0 +0.1
MJAR	comp=Z,33nm,1.0s,baz=220,slow=10.0,SNR=24		PcP	PcP	08 39 44.2 0.0
MJAR	comp=Z,1.4nm,0.5s,baz=336,slow=1.7,SNR=2.9		S	S	08 44 02.4 +0.4
MJAR	comp=Z,1.1nm,0.5s,baz=347,slow=9.8,SNR=1.3		LR	LR	08 47 40.5
MJAR	comp=Z,1um,21.6s,baz=222,slow=34		LR	LR	
MJB9	Matsu-Tunnel	22.88 37	P	P	08 39 54.7 +0.8
MJB9	Matsu-Tunnel		IAMB	IAMB	08 40 07.1
NLAI	Namlea	23.00 165	P	P	08 39 55.7 +0.5
SPSI	Sidrap Falu	23.02 164	P	P	08 39 56.2 +0.8
HHC	Hu-ho-hao-ke	23.14 341	P	P	08 39 58.1 +1.5
HHC			sP	sP	08 40 06.1 -1.1
HHC			S	S	08 44 04.0 -2.5
HHC			sS	sS	08 44 14.8 +1.0
HHC			PcS	PcS	08 47 22.3 -1.6
HHC			Pmax	Pmax	
HHC	comp=Z,68nm,1.8s		Pmax	Pmax	
HHC	comp=Z,1um,4.7s		LR	LR	
HHC	comp=Z,7um,13.0s		LR	LR	
HHC	comp=Z,3um,13.4s		LR	LR	
HHC	comp=Z,10um,13.0s		LR	LR	
GUMO	Guam	23.37 100	IAMS_20	IAMS_20	08 46 41.8
GUMO	Guam	23.37 100	LR	LR	08 47 04.1
BTO	Baotou	23.43 338	eP	P	08 40 02.1 +2.6
BTO			PP	PP	08 40 33.8 +7.5
BTO			S	S	08 44 15.3 +4.1
BTO	comp=Z,53nm,0.8s		Pmax	Pmax	
BTO	comp=Z,1um,4.7s		LR	LR	
BTO	comp=Z,12um,16.5s		LR	LR	
BTO	comp=Z,9um,14.3s		LR	LR	
KAPI	Kappang	24.06 184	P	P	08 40 06.9 +1.4
KAPI	Kappang		IAMB	IAMB	08 40 20.9
KAPI	Kappang	24.06 184	P	P	08 40 04.7 -0.8
KAPI	Kappang		LR	LR	08 50 14.2
KAPI	Kappang	24.06 184	P	P	08 40 05.2 -0.3
KAPI	Kappang		P	P	08 40 05.2 -0.3

KAPI	Kappang	24.06 184	S	S	08 44 19.5 -1.9
KAPI	Kappang		P	P	08 44 19.5 -1.9
KAPI	Kappang	24.06 184	P	P	08 40 05.6 +0.1
KAPI	Kappang	24.06 184	P	P	08 40 06.9 +1.4
KAPI	Kappang		Pmax	Pmax	
KAPI	comp=Z,132nm,1.2s		MLR	MLR	
MYKOM	Kota Tinggi	24.21 227	P	P	08 40 07.6 +0.6
MYKOM	Kota Tinggi		IAMB	IAMB	08 40 22.6
MYKOM	comp=Z,123nm,1.1s		IAMS_20	IAMS_20	08 48 48.3
MYKOM	comp=Z,7um,19.0s		P	P	08 40 07.8 +0.8
MYKOM	Kota Tinggi	24.21 227	P	P	08 40 13.7 +1.7
KULM	Kulim	24.30 238	P	P	08 40 07.7 -0.2
KULM	Kulim		IAMB	IAMB	08 40 19.9
KULM	comp=Z,144nm,1.2s		IAMS_20	IAMS_20	08 49 39.2
KULM	comp=Z,4um,18.0s		P	P	08 40 08.8 +0.9
FAKI	Fak Fak	24.48 152	P	P	08 40 10.2 +0.7
FAKI	Fak Fak	24.48 152	P	P	08 40 42.0
FAKI	Fak Fak	24.48 152	P	P	08 40 11.1 +1.6
FAKI	Fak Fak	24.48 152	P	P	08 40 10.5 +1.0
IPM	Ipo	24.50 236	P	P	08 40 09.3 -0.3
IPM	Ipo		IAMB	IAMB	08 40 25.4
IPM	comp=Z,139nm,1.0s		P	P	08 40 09.8 +0.2
PSFR	Poyet	24.80 17	deP	P	08 40 12.5 +0.1
CN2	Changchun	24.83 7	P	P	08 43 48.8 +0.7
CN2			PcP	PcP	08 44 30.8 -2.7
CN2			S	S	
CN2			Pmax	Pmax	
CN2	comp=Z,30nm,0.8s		Pmax	Pmax	
CN2	comp=Z,700nm,5.0s		LR	LR	
CN2	comp=Z,3um,17.0s		LR	LR	
CN2	comp=Z,4um,17.0s		LR	LR	
CN2	comp=Z,4um,19.0s		LR	LR	
XLT	XILinHaoTe	25.04 351	eP	S	08 40 15.1 +0.7
XLT			S	S	08 44 35.6 -1.4
XLT			SS	SSn	08 45 27.9 +0.7
XLT			Pmax	Pmax	
XLT	comp=Z,130nm,1.5s		Pmax	Pmax	
XLT	comp=Z,2um,4.4s		LR	LR	
XLT	comp=Z,250nm,15.9s		LR	LR	
XLT	comp=Z,2um,17.8s		LR	LR	
XLT	comp=Z,3um,17.7s		LR	LR	
JMM	Marumori	25.29 38	P	P	08 40 15.9 -0.6
JMM	Marumori		IAMB	IAMB	08 40 25.7
JMM	Marumori	25.29 38	P	P	08 40 16.5 -0.1
TPI	Tanjungpandan	25.52 213	P	P	08 40 20.2 +1.4
VLA	Vladivostok	25.54 18	ceP	P	08 40 21.0 +2.2
VLA	Vladivostok		Pmax	Pmax	
MDJ	Mudanjiang	26.34 14	P	P	08 40 26.5 +0.5
MDJ	Mudanjiang		IAMS_20	IAMS_20	08 51 43.8
MDJ	Mudanjiang	26.34 14	P	P	08 40 27.9 +1.9
MDJ	Mudanjiang		sP	sP	08 40 38.1 +0.9
MDJ	Mudanjiang		Pmax	Pmax	
MDJ	comp=Z,83nm,2.0s		Pmax	Pmax	
MDJ	comp=Z,920nm,10.7s		LR	LR	
MDJ	comp=Z,4um,17.9s		LR	LR	
MDJ	comp=Z,2um,13.4s		LR	LR	
MDJ	comp=Z,5um,19.2s		LR	LR	
MDJ	Mudanjiang	26.34 14	P	P	08 40 28.2 +2.2
USAOB	Ussuriysk Arra	26.56 18	P	P	08 40 27.8 -0.2
USAOB	Ussuriysk Arra	26.56 18	P	P	08 40 27.8 -0.2
USAOB	Ussuriysk Arra		Pmax	Pmax	
USRK	comp=Z,69nm,1.2s	26.56 18	P	P	08 40 28.5 +0.5
USRK	Ussuriysk Ar.	26.56 18	P	P	08 40 27.2 -0.8
USRK	Ussuriysk Ar.	26.56 18	P	P	08 43 51.7 -0.4
USRK	comp=Z,6.7nm,0.8s,baz=212,slow=10,SNR=13		PcP	PcP	
USRK	comp=Z,2.5nm,0.7s,baz=240,slow=2.8,SNR=2.5		LR	LR	08 51 14.2
USRK	comp=Z,1um,21.2s,baz=196,slow=37		P	P	08 40 31.6 -0.4
USRK	BinXian	27.01 10	P	P	08 40 41.1 -2.1
USRK	BinXian		sP	sP	08 45 05.5 -2.4
USRK	BinXian		Pmax	Pmax	
USRK	comp=Z,18nm,1.3s		Pmax	Pmax	
USRK	comp=Z,610nm,11.5s		LR	LR	
USRK	comp=Z,2um,15.9s		LR	LR	
USRK	comp=Z,1um,12.7s		LR	LR	
USRK	comp=Z,4um,17.9s		LR	LR	
TSI	Tuntungan	27.03 238	P	P	08 40 35.4 +2.8
PSI	Prapat	27.17 236	LR	LR	08 51 24.8
PSI	Prapat	27.17 236	LR	LR	08 40 34.6 +0.6
PSI	Prapat	27.17 236	P	P	08 40 34.0 0.0
PSI	Prapat	27.17 236	Pmax	Pmax	
PSI	comp=Z,107nm,1.2s		MLR	MLR	
BKNI	Bangkinang	27.22 229	P	P	08 40 34.5 +0.3
BKNI	Bangkinang		IAMS_20	IAMS_20	08 51 11.9
RPSI	Rantau Prapat	27.24 236	P	P	08 40 34.0 -0.4
RPSI	Rantau Prapat		IAMB	IAMB	08 40 50.4
RPSI	comp=Z,106nm,1.2s		IAMS_20	IAMS_20	08 51 31.2
RPSI	comp=Z,4um,18.0s		P	P	08 40 37.3 +1.9
GTA	Gaotai	27.35 322	eP	sP	08 40 48.6 +2.2
GTA	Gaotai		PcP	PcP	08 45 55.8 +0.9
GTA	Gaotai		S	S	08 45 15.8 +2.0
GTA	Gaotai		PcS	PcS	08 47 35.3 -0.7
GTA	Gaotai		ScS	ScS	08 51 22.3 -2.3
GTA	Gaotai		Pmax	Pmax	
GTA	comp=Z,34nm,0.9s		Pmax	Pmax	
GTA	comp=Z,230nm,6.9s		LR	LR	
GTA	comp=Z,3um,17.8s		LR	LR	
GTA	comp=Z,2um,16.0s		LR	LR	
GTA	comp=Z,4um,15.6s		P	P	08 40 38.5 +2.3
JTM	Tenabayahashi	27.47 34	P	P	08 53 33.4
BRDH	Baradiaha	27.80 282	LR	LR	08 40 33.8
SHL	Shillong	27.81 289	P	P	08 40 39.0 -0.7
SHL	Shillong		IAMB	IAMB	08 40 54.3
SHL	Shillong	27.81 289	P	P	08 40 40.7 +1.1
SHL	Shillong		Pmax	Pmax	
SHL	Shillong	27.81 289	P	P	08 40 39.0 -0.7
SHL	Shillong		Pmax	Pmax	
SHL	Shillong		MLR	MLR	
MNSI	Mandailing Nat	27.96 232	P	P	08 40 41.4 +0.5
NGJI	Ngawi	28.05 201	P	P	08 40 43.4 +1.8
PPI	Padang Panjang	28.22 229	P	P	08 40 43.8 +0.6
PPI	Padang Panjang		IAMS_20	IAMS_20	08 51 38.9
PBA	Meulaboh, Aceh	28.			

24d 9h

Table with columns: QSDT, Sankt Quirin, 88.94 320 ePcP, P, 08 47 45.2 +0.5, etc. Lists various astronomical objects and their coordinates.

2019 JAN

Table with columns: TXAR, Lajitas Arr, 115.22 43 PKP, 08 53 32.3 +0.2, etc. Lists astronomical objects and their coordinates.

1400

Table with columns: EIDS, comp=Z, 5.4nm, 0.8s, Iamb, Iamb, 08 48 42.5, etc. Lists astronomical objects and their coordinates.

IDC 24 08:42:48.7±0.8, 321.91S×178.34W, h0km, mb4.4/8, mtdmp4.4/9, ML4.2/1, Error ellipse: s-maj=28.4km

IDC 24 08:48:14.3±0.7, 9.70N:126.30E, h0km, mb3.9/12, mtdmp3.9/12, Error ellipse: s-maj=48.1km s-min=16.0km

WEL 24 08:42:49.0±0.8, 33.3°S, 6.17°W, 1.4, h33km, mB5.2/9, ML5.0/17, MLv4.9/14, MW(mB)4.9/9, Error ellipse: s-maj=19.0km s-min=3.0km az=109.3

IDC 24 08:48:20.0±0.7, 9.70N:0.1±126.3E:0.3, h43km, n19, 0875/13, mb3.8/12, Mindanao

NEIC 24 08:42:49.51±1.2, 1.33°S:0.1°W, h10km, 1km, mb4.7/12, Error ellipse: s-maj=27.0km s-min=20.0km

IDC 24 08:42:49.5±0.6, 32.94S:0.06E:178.2W:0.1, h10km, n84, s=201/98, mb4.6/12, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station names and their coordinates.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station names and their coordinates.

NEIC 24 09:01:59.3±1.8, 16.72S:0.08E:173.4W:0.1, h72km, 13km, mb4.5/15, Error ellipse: s-maj=15.5km s-min=11.0km az=64.0

IDC 24 09:02:09.5±4.1, 16.90S:173.69W, h151km, 36km, mb3.4/7, mtdmp3.9/9, Error ellipse: s-maj=30.2km s-min=17.8km az=138.0

IDC 24 09:02:59.8±0.6, 16.75S:0.06E:173.42W:0.07, h66km, n60, s=178/53, mb4.3/12, Tonga Islands

IDC 24 09:02:59.8±0.6, 16.75S:0.06E:173.42W:0.07, h66km, n60, s=178/53, mb4.3/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RUGZ, TWGZ, MKAZ, etc.

INMG 24 09:11:51.7:1.4, 35.18N:5.98W, h31km, 10km, ML1.9, Error ellipse: s-maj=7.0km s-min=2.5km az=74.0, #DIST_RANGE: REGIONAL #PMA_REGION: SW Tanager (MARR)

MDD 24 09:11:51.0:1.6, 35.20N:5.92W, h24km, 12km, mb_Lg2.6/5, Error ellipse: s-maj=9.8km s-min=4.8km az=72.0

CNRM 24 09:12:00.5, 34.48N:5.41W, h2km, ML2.1, Error ellipse: s-maj=1.8km s-min=0.4km az=106, h30km, n22, #AZ: 209/31, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LCRM, AKLM, MD31, etc.

IDC 24 09:17:38.0:2.7, 130S:146.48E, h0km, mb3.5/5, mbtmp3.6/6, ML1.8/1, MS3.6/2, Error ellipse: s-maj=80.3km s-min=24.1km az=88.0

ISC 24 09:17:40.0:1.9, 3.25S:0.2:146.4:0.4, h10km, n8, c073/6, mb3.4/4, Bismarck Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PMG, GUMO, WRA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SONM, MKAR, etc.

IDC 24 09:34:23.1:3.1, 32.30S:179.37W, h0km, mb4.0/2, mbtmp4.0/3, ML3.0/1, Error ellipse: s-maj=66.5km s-min=109.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like URZ, ASAR, etc.

ISC 24 09:38:13.3:1.3, 49.6N:0.1:18.04E:0.08, h10km, n5, c098/7, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MORC, JAVC, etc.

KRSC 24 09:38:38.9:1.4, 53.21N:163.12E, h42km, 30km, ML4.3, IDC 24 09:38:39.6:0.8, 53.46N:162.88E, h0km, mb3.8/12, mbtmp3.8/14, ML3.5/2, MS3.6/1, Error ellipse: s-maj=27.7km s-min=15.3km az=161.0

MOS 24 09:38:42.0:0.6, 53.22N:163.05E, h34km, mb4.2/3, Error ellipse: s-maj=7.5km s-min=5.6km az=98.6

NEIC 24 09:38:45.1:1.0, 53.2N:0.1:162.9E:0.2, h41km, 7km, mb4.1/20, Error ellipse: s-maj=21.7km s-min=12.2km

ISC 24 09:38:43.6:0.5, 43.18N:0.05:163.11E:0.04, h35km, n117, c133/164, mb4.0/24, Off east coast of Kamchatka

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SPN, MYM, etc.

ISC 24 09:38:43.6:0.5, 43.18N:0.05:163.11E:0.04, h35km, n117, c133/164, mb4.0/24, Off east coast of Kamchatka

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SPN, MYM, etc.

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ISC 24 09:38:43.6:0.5, 43.18N:0.05:163.11E:0.04, h35km, n117, c133/164, mb4.0/24, Off east coast of Kamchatka

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

ISC 24 09:59:13.9:2.1, 18.61S:177.95W, h564km, 21km, mb3.2/8, mbtmp4.1/9, Error ellipse: s-maj=29.1km s-min=20.7km az=133.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

ISC 24 09:59:13.9:2.1, 18.61S:177.95W, h564km, 21km, mb3.2/8, mbtmp4.1/9, Error ellipse: s-maj=29.1km s-min=20.7km az=133.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

ISC 24 09:59:13.9:2.1, 18.61S:177.95W, h564km, 21km, mb3.2/8, mbtmp4.1/9, Error ellipse: s-maj=29.1km s-min=20.7km az=133.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

ISC 24 09:59:13.9:2.1, 18.61S:177.95W, h564km, 21km, mb3.2/8, mbtmp4.1/9, Error ellipse: s-maj=29.1km s-min=20.7km az=133.0

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ISC 24 09:59:13.9:2.1, 18.61S:177.95W, h564km, 21km, mb3.2/8, mbtmp4.1/9, Error ellipse: s-maj=29.1km s-min=20.7km az=133.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

ISC 24 09:59:13.9:2.1, 18.61S:177.95W, h564km, 21km, mb3.2/8, mbtmp4.1/9, Error ellipse: s-maj=29.1km s-min=20.7km az=133.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

ISC 24 09:59:13.9:2.1, 18.61S:177.95W, h564km, 21km, mb3.2/8, mbtmp4.1/9, Error ellipse: s-maj=29.1km s-min=20.7km az=133.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

ISC 24 09:59:13.9:2.1, 18.61S:177.95W, h564km, 21km, mb3.2/8, mbtmp4.1/9, Error ellipse: s-maj=29.1km s-min=20.7km az=133.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSR, KREST, etc.

24d 10h

Table with columns: WRA, Alice Springs, MJAR, QSPA, PETK, TXAR, ILAR, CMAR, ARCES, AKASG. Includes station names, coordinates, and various parameters like SNR and time.

IDC 24 10:24:42.8:56.0, 11.94S:172.44E, h0km, mb3.6/3, mbtmpt3.6/3, Error ellipse: s-maj=971.2km

Table with columns: Code, Station Name, Az, Phase ID, Time Res, Res ISC. Lists stations like Stephens Creek, WRA, ASAR.

VAO 24 10:28:23.0:4.0, 29.98S:71.22W, h10km, mb5.1, SJA 24 10:28:25.0:0.6, 30.12S:71.49W, h20km, 2km, ML5.0, MW4.8

MOS 24 10:28:27.7:1.1, 30.12S:71.09W, h62km, mb5.3/11, Error ellipse: s-maj=15.1km s-min=7.6km az=97.4

GUC 24 10:28:28.4:0.6, 30.17S:71.22W, h58km, 3km, ML5.0

NEIC 24 10:28:28.4:2.3, 30.12S:0.05:71.38W, h0.08, h58km, mb5.1/245, Error ellipse: s-maj=10.2km s-min=7.5km az=98.0

IDC 24 10:28:28.7:0.4, 30.16S:71.14W, h61km, 2km, mb4.5/14, mbtmpt4.7/18, MS3.8/16, Error ellipse: s-maj=15.7km s-min=11.5km az=73.0

BUI 24 10:28:29.7:3.0, 10S:71.30W, h58km, Ms5.8/8, Ms7.5/4.7, RSNC 24 10:28:29.2:3.0, 30.5S:107.1W, h65km, M5.1, mb5.6, mb5.3, Mw(m/b)5.1, Hypocentre not reviewed by the ISC

ISC 24 10:28:29.2:3.0, 30.12S:71.32W, h0.04, h61km, 2km, h61km, pp-P, n417, r148/366, mb5.1/128, 20C-10D, Near coast of central Chile

Main table for the 24d 10h section, listing stations like La Serena, Tololo Observa, El Pedregal, Juntas del Tor, Las Campanas, Cerro Coronel, etc.

2019 JAN

Main table for the 2019 JAN section, listing stations like Peidehue, Curacav, Hacienda Santa, Renca, etc.

1402

Main table for the 1402 section, listing stations like Brasilia, Tabatinga, Serra Nova Dou, etc.

Table with columns: Station, Name, Az, El, AzEl, P, Pmax, R, Rmax, S, Smax, T, Tmax, U, Umax, V, Vmax, W, Wmax, X, Xmax, Y, Ymax, Z, Zmax. Includes stations like APMT Aspermont, TBI Tubual, PBMO Poplar Bluff, etc.

Table with columns: Station, Name, Az, El, AzEl, P, Pmax, R, Rmax, S, Smax, T, Tmax, U, Umax, V, Vmax, W, Wmax, X, Xmax, Y, Ymax, Z, Zmax. Includes stations like SPMM Marine on Str., N23A Red Feather La, LDAO Lac Daran, etc.

Table with columns: Station, Name, Az, El, AzEl, P, Pmax, R, Rmax, S, Smax, T, Tmax, U, Umax, V, Vmax, W, Wmax, X, Xmax, Y, Ymax, Z, Zmax. Includes stations like ARTI SEY Seymchan, TIXI Tiksi, AKTO Aktubynsk, etc.

SJA 24 10:55:35.1±0.8, 30:54'Sx73:03'W, h46km±14km, MLL3.5, MWV.7
NEIC 24 10:55:36.9±1.6, 30:51'Sx0:04:72.85'W, h10km±2km, mb4.2/2, Error ellipse: s-maj=14.1km s-min=6.3km az=285.0
GUC 24 10:55:40.1±0.7, 30:58'Sx72:56'W, h30km±5km, MLL3.7
IDC 24 10:55:44.0±0.8, 30:61'Sx72:45'W, h46km±6km, mb3.7/5, mbtmp4.0/8, MLL3.9, MS3.1/3, Error ellipse: s-maj=30.8km s-min=19.6km az=92.0
ISC 24 10:55:39.4±0.8, 30:50'Sx0:04:72.89'W, h29km±5km, n77.1, ±192.92, mb4.1/5, 4.0, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VA06 Catapilco, CO01 Juntas del Tor, and various other locations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MSVF Nonsavu, WRA Warrungarra Arr, and ASAR Alice Springs.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TXAR Lajitas Array, IDC 24 11:10:19.2, and various other locations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RCHB Rochefort, MSVF Nonsavu, and WRA Warrungarra Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WLF Waferdange, WLF Waferdange, and WLF Waferdange.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IDC 24 11:23:42.6, FITZ Fitzroy Crossi, and WRA Warrungarra Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FUNV 24 11:26:39.1, BENV Bein, and WRA Warrungarra Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SOME 24 11:29:26.7, KRNET 24 11:29:28.4, and NNC 24 11:29:29.1.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, and SALK Salom-Alik.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, AAK Ala-Archa, and AAK Ala-Archa.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MNAS Manas, MNAS Manas, and ANVS Anan'yev.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TKL Tuckaleechee C, H09N1 TRISTAN DA CUN, DAVOX Davos/Dischmat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UPCC Upice, DPC Dobruska-Polom, KRLC Kraliky, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PENT Pentalofos, KPRO Kipro, OHR Ohrid, etc.

IDC 24 11:40:06.1±1.2, 51.51N; 16.22E, h0km, mbtmp3.4/4, ML2.7/4, Error ellipse: s-maj=23.8km s-min=10.5km

PRU 24 11:40:09.0, 51.37N; 16.23E, h0km

VIE 24 11:40:10.2±2.1, 51.16N; 16.16E, h0km, mb2.5/1, ml2.4/2, Error ellipse: s-maj=18.9km s-min=6.4km az=29.0, Suspected Mining induced.

ISC 24 11:40:08.3±1.1, 51.37N; 0.05±16.18E; 0.03, h0km, n29, α105/54, Poland

TREC Trest 2.17 193 ePG Sb 11 40 18.5 +0.1
KRUC Moravsky 2.35 178 eSG Sg 11 40 24.2 -0.4
OJC Ojcow 2.54 117 ePG Sg 11 40 23.5 +0.1

GERES GERESS Array B 3.05 214 Pn Pn 11 40 57.7 +1.0
GERES comp=2.0, 3nm, 0.3s, baz=30, slow=16, SNR=2.2
GERES comp=2.3, 2nm, 0.3s, baz=30, slow=17, SNR=16

LANS Liptovska Anna 3.06 136 ePG Pg 11 40 49.3 +1.6
LANS LANS 11 40 37.4 +1.2
LANS LANS 11 44 51.5

CONA Conrad Observa 3.49 184 ePg Sg 11 40 41.9 -1.0
CONA comp=2.1, 4nm, 0.2s
MOA comp=2.11nm, 0.5s 3.79 201 eSg Sg 11 45 10.3 -0.6

ARSA Arzberg 4.19 187 ePg Pg 11 44 29.1 -0.3
ARSA comp=2.1, 3nm, 0.3s
LESA Schwarzleot 4.62 212 ePg Pg 11 44 36.8 -0.9

ABTA Abfaltersbach 5.28 209 eSg Sg 11 45 58.8 +0.3
AKASO Malin Array Be 8.20 90 Pn Pn 11 45 09.7 +0.4
AKASO comp=2.0, 3nm, 0.3s, baz=284, slow=12, SNR=2.7

FINES FINES Array B 11.41 24 Pn Pn 11 45 51.3 -2.0
FINES comp=2.0, 2nm, 0.3s, baz=212, slow=9, SNR=3.5
FINES comp=2.0, 2nm, 0.5s
ARCES ARCESS Array B 18.70 10 Pn Pn 11 47 27.0 -1.7

TJR 24 11:46:25.9, 40.07N; 19.85E, h1km, Md2.8/2, ML3.1/8
PDG 24 11:46:26.4, 0.6, 40.17N; 19.76E, h7km, 2km, ML3.1/12, Error ellipse: s-maj=1.8km s-min=1.9km az=0
ATH 24 11:46:26.9, 40.13N; 19.81E, h8km, 1km, ML2.9/10, Error ellipse: s-maj=2.1km s-min=0.9km az=289.0

THE 24 11:46:27.5, 40.12N; 19.92E, h0km, 3km, ML2.8/6, Error ellipse: s-maj=3.8km s-min=0.9km az=297.0
ISC 24 11:46:27.1±1.0, 40.11N; 0.02±19.86E; 0.02, h7km, g9km, n55, α090/97, 5C-3D, Albania

Code Station Name Az Phase ID Time Res
SRN Sarande 0.25 154 P Sg 11 46 31.5 -0.6
SRN 14nm, 0.4s 11 46 37.8

LESA Schwarzleot 4.62 212 ePg Pg 11 44 36.8 -0.9
LESA comp=2.1, 2nm, 0.3s
ABTA Abfaltersbach 5.28 209 eSg Sg 11 45 58.8 +0.3

GERES GERESS Array B 2.99 213 Pn Pn 11 40 57.0 -0.1
GERES comp=2.0, 4nm, 0.3s, baz=35, slow=16, SNR=4.4
GERES comp=2.3, 1nm, 0.3s, baz=25, slow=17, SNR=25

LKD2 Lefkada island 1.46 155 P Sg 11 46 55.5 +0.5
LKD2 LKD2 11 47 15.4 +1.5
LKD2 Lefkada island 1.46 155 P S 11 46 53.9 +0.1

KZN Kozani 1.48 82 P P 11 46 55.3 -0.2
NYDR Nydri-Lefkada 1.54 155 P S 11 46 54.3 -0.6
NYDR Nydri-Lefkada 1.54 155 P S 11 47 16.7 +0.2

THL Klokotos Trika 1.75 107 P S 11 46 59.2 -0.3
THL 11 47 22.9 -0.3
THL comp=E, 263um, 0.6s 11 47 30.0

TYRN Tyrnavos 1.87 101 P S 11 47 01.1 -0.5
TYRN 11 47 26.5 -0.7
ULC Ulcinj 1.91 346 ePn Pn 11 46 59.4 -0.8

EVY Evrytania 1.92 128 P P 11 47 02.2 -0.3
PUK Puka 1.93 21 P S 11 47 23.5 +2.7
MAKR Makrakomni, Fth 2.07 121 P P 11 47 04.9 -0.1

BUJ Bajram Curri 2.26 4 AML AML 11 47 52.3
BUM Budraj-Budva 2.31 342 Pn Pn 11 47 04.7 -0.9
BUM 11 47 34.4 +0.1

PDG Podgorica 2.36 349 Pn Pn 11 47 06.0 -0.3
PDG 11 47 36.3 +0.7
VAY Valandovo 2.39 59 Pn Pn 11 46 59.7 -7.0

CEME Cevo 2.54 344 Pn Pn 11 47 08.0 -0.8
CEME 11 47 40.4 +0.4
HCY Herceg Novi 2.55 337 Pn Pn 11 47 07.4 -1.6

NKME Niksic 2.74 346 ePn Pn 11 47 10.4 -1.2
NKME 11 47 44.8 -0.8
KOME Kolasin 2.75 355 ePn Pn 11 47 11.7 -0.1

IVA Berane 2.76 1 ePn Pn 11 47 12.6 +0.7
IVA 11 47 45.9 +0.3
PEHC Pechevo 2.85 53 Pn Pn 11 47 14.4 +1.3

AKTO Aktyubinsk 3.71 238 Op Lg 11 57 34.8
AB31 Akbulak array 3.77 211 Pn Pn 11 56 45.1 -0.2
AB31 4.3nm, 0.6s, baz=23, slow=24, SNR=11

WTF5 Witchita Falls 0.92 249 P Sg 11 56 43.2 -0.1
WTF5 11 56 54.9 -0.4
FW06 Azle 1.13 185 P Sg 11 56 46.5 -0.9

VIE 24 11:43:11.0±1.9, 51.31N; 16.06E, h0km, mb2.6/3, ml2.6/5, Error ellipse: s-maj=12.3km s-min=7.3km az=161.0, Suspected Mining induced.

IDC 24 11:43:11.6±1.1, 51.39N; 16.08E, h0km, mbtmp3.2/5, ML2.7/5, Error ellipse: s-maj=18.6km s-min=9.6km

PRU 24 11:43:12.2, 51.35N; 16.20E, h0km

ISC 24 11:43:09.1±0.8, 51.41N; 0.04±16.26E; 0.02, h0km, n33, α091/59, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP Ksiaz, CHVC Chvalec, OSTC Ostas, etc.

KEK Kerika 0.40 187 P Sg 11 46 34.9 +0.1
KEK 11 46 41.8 +1.8
KEK 2um, 0.2s 0.40 187 P Sg 11 46 34.9 +0.1

LESA Schwarzleot 4.62 212 ePg Pg 11 44 36.8 -0.9
LESA comp=2.1, 2nm, 0.3s
ABTA Abfaltersbach 5.28 209 eSg Sg 11 45 58.8 +0.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP Ksiaz, CHVC Chvalec, OSTC Ostas, etc.

AKTO Aktyubinsk 3.71 238 Op Lg 11 57 34.8
AB31 Akbulak array 3.77 211 Pn Pn 11 56 45.1 -0.2
AB31 4.3nm, 0.6s, baz=23, slow=24, SNR=11

WTF5 Witchita Falls 0.92 249 P Sg 11 56 43.2 -0.1
WTF5 11 56 54.9 -0.4
FW06 Azle 1.13 185 P Sg 11 56 46.5 -0.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like X34A Smith Ranch, M, WFTS Witchita Falls, etc.

24d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like W35A Tecumseh, FNO Franklin, FWO3 Perrin-Whitt E, etc.

GUC 24 12:00:00.7-0.7, 30.265x71.25W, h55km, 4km, ML2.7
SJA 24 12:00:00.8-0.4, 30.265x71.18W, h10km, 5km, ML2.6, MW2.4

ISC 24 12:00:02.3-3.3, 30.345x0.04x71.28W-0.07, h15km, 24km, n13, c1525/21, 2C, Near coast of Central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO05 La Serena, GO04 Tololo Observa, CO03 El Pedregal, etc.

BJI 24 12:15:14.4, 26.74N; 128.31E, h38km, mb4.6/8, mb4.2/29, Ms4.2/2, Ms7.3/1

NIED 24 12:15:17.8, 26.84N; 128.21E, h45km, MW4.3, Moment Tensor Solution, s3 Moment tensor: Scale 1015Nm

Mw=1.68; Mw=1.46; Mw=0.22; Mw=0.28; Mw=1.74; Mw=1.38; Fault plane solution: Ms2.74000x1015, NS1.86, 0.00000°, 549.00000°, -38.00000°. NP2: 204.00000°, 862.00000°, -132.00000°

JMA 24 12:15:17.8-0.2, 26.84N; 0.5-1.28; 2E: 0.7, h45km, 1km, MD4.1/26, MV4.2/26, NEAR OKINAWA/JMA ISLAND

JMA Felt II J1 at NEAR OKINAWA/JMA ISLAND

NEIC 24 12:15:17.1-1.0, 26.9N; 0.1-1.28; 14E: 0.09, h42km, 6km, mb4.8/57, Error ellipse: s-maj=15.8km s-min=10.5km az=156.0

IDC 24 12:15:17.1-0.4, 26.86N; 128.22E, h45km, 5km, mb3.9/21, mb1mp4.1/25, ML4.4/2, MS3.2/6, Error ellipse: s-maj=14.1km s-min=11.1km az=37.0

ISC 24 12:15:17.3-0.5, 26.81N; 0.04x128.27E: 0.04, h47km, 4km, n282, c1925/25, MS3.0/751, MS3.3/2D, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOW Kunigami, JOW Kunigami, etc.

2019 JAN

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOW Kunigami, JYRO Yoronjima, JIHL Iheya, etc.

1408

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TIXI Tikisi, TIXI Tikisi, WRA Warramunga Arr, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like LPaz, CPUP, TORD, etc.

BER 24 12:41:59.6±2.7, 76°32'N, 178°W, h29km, mb(Pn)3.7, ML1.8(DNK), Confirmed Earthquake
DNK 24 12:41:59.1±3.9, 76°27'N, 173°W, h36km, 36km, ML1.8
ISC 24 12:41:53.8±1.2, 76°41'N, 0°08.1'94W, 0°05, h10km, n15, c=281/30, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like KBS, DAG, BRBA, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like DBG, JMW, JMC, etc.

NOU 24 13:19:25.9±1.5, 38°37'S, 178°59'E, h0km, MLV3.7/10, Off E. Coast of N. Island, N.Z.
WEL 24 13:19:27.9±0.7, 38°54'S, 17°9'E, h33km, M3.5/3, ML3.7/14, MLV3.5/3, Error ellipse: s-maj=7.0km s-min=5.0km az=83.9

ISC 24 13:19:25.9±1.5, 38°37'S, 178°59'E, h0km, h31km, 12km, n84, c158/97, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like CNGZ, PUK, WNGZ, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like BATI, BKSI, FITZ, etc.

IDC 24 13:38:14.5±1.8, 1°90N, 123°60E, h0km, mb3.3/3, mbmt3.3/3, MS2.5/1, Error ellipse: s-maj=201.5km s-min=26.3km az=63.0, Minalhasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like WRA, CMAR, MKAR, etc.

IDC 24 14:04:02.8±1.4, 18°98'S, 179°98'E, h0km, mb3.5/3, mbmt3.5/3, Error ellipse: s-maj=375.2km s-min=39.9km az=144.0, Fiji Islands

NEIC 24 14:04:39.5±0.6, 31°66'N, 0°02.104°33'W, 0°02, h5km, 1km, mb, Lg2.6/27, ML2.6/14, Error ellipse: s-maj=4.1km s-min=2.5km az=249.0, Western Texas

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like PECS, GD2, CLNB, etc.

IDC 24 14:12:17.0±0.9, 40°54'S, 173°58'E, h173km, 21km, mb3.7/4, mbmt4.2/6, Error ellipse: s-maj=47.7km s-min=9.0km az=132.0

NOU 24 14:12:18.9, 40°47'S, 173°44'E, h186km, MLV4.3/22, Cook Strait, New Zealand

NEIC 24 14:12:19.3±1.3, 40°52'S, 0°07.173°39'E, 0°09, h200km, 6km, mb4.2/12, Error ellipse: s-maj=11.5km s-min=8.3km az=125.0

WEL 24 14:12:21.5±1.0, 40°54'S, 173°58'E, h170km, 7km, M4.3/108, MLV4.3/108, Error ellipse: s-maj=9.0km s-min=5.4km az=101.4

ISC 24 14:12:18.6±0.6, 40°46'S, 0°04.173°41'E, 0°04, h197km, 5km, n240, c197/252, mb4.2/11, Cook Strait

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like DUWZ, TKNZ, NNZ, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SNZO, BSWZ, WEL, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MWZ, ARCC, MBAZ, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like RGEI, ARG, ARK, etc.

1417

UMMG	Uummaanaq	53.34 336	i P	P	14 40 04.5	-3.0
UMMG	comp=Z,56nm,1.1s			I Amb	I Amb	14 40 06.5
NUUG	Nuugaatsiaq	53.62 337	i P	P	14 40 05.7	-3.9
NUUG	comp=Z,21nm,1.0s			I Amb	I Amb	14 40 08.2
NUUK	Nuuk	53.97 328	i P	P	14 40 12.1	-0.1
NUUK	comp=Z,59nm,1.1s			I Amb	I Amb	14 40 13.3
UPNV	Upernavik	54.39 339	i P	P	14 40 12.8	-2.3
UPNV	comp=Z,80nm,1.3s			I Amb	I Amb	14 40 14.6
ZAK	Zakamensk	54.41 50	e P	P	14 40 16.9	+1.1
ZAK	comp=Z,22nm,1.4s			p max	p max	14 40 13.3
KULLO	Kullorsuaq	54.49 341	i P	P	14 40 13.4	-2.4
KULLO	comp=Z,62nm,0.9s			I Amb	I Amb	14 40 15.1
IRK	Irkutsk	54.53 47	e P	P	14 40 16.5	0.0
IRK	comp=Z,56nm,2.0s			p max	p max	14 40 16.5
ALE	Alert	54.65 351	i P	P	14 40 15.6	-1.3
ALE	comp=Z,56nm,2.0s			ScP	ScP	14 45 12.4 -0.8
SHL	Shillong	54.92 82	P	P	14 40 22.7	+2.9
GTA	Gaotai	55.46 63	e P	P	14 40 24.0	+0.4
GTA	comp=Z,5.0nm,0.7s			p max	p max	14 40 24.0
GTA	comp=Z,210nm,19.6s			LR	LR	14 40 20.9
GTA	comp=Z,130nm,18.2s			LR	LR	15 08 20.9
GTA	comp=Z,290nm,19.6s			LR	LR	14 40 25.9 +1.6
ONGWA	Qangwa	55.57 188	i P	P	14 40 25.9	+1.6
TSUM	Tsumeb	55.75 192	LR	LR	14 40 26.9	+1.1
TSUM	comp=Z,454nm,18.6s			baz=338,slow=40	baz=338,slow=40	14 40 37.7 +0.6
TSUM	Tsumeb	55.75 192	P	P	14 40 26.9	+1.1
TSUM	comp=Z,214nm,19.2s			baz=331,slow=43	baz=331,slow=43	15 07 18.2
PALK	Pallekele	55.77 108	LR	LR	14 40 26.4	+0.4
PALK	comp=Z,214nm,19.2s			baz=331,slow=43	baz=331,slow=43	14 40 26.4 +0.4
PALK	Pallekele	55.77 108	e P	P	14 40 26.4	+0.4
PALK	comp=Z,59nm,1.5s			p max	p max	14 40 26.8 +0.8
PALK	Pallekele	55.77 108	P	P	14 40 26.8	+0.8
BRDH	Bariadhala	56.08 85	LR	LR	15 10 52.2	
BROLN	Tihalogang	56.74 181	i P	P	14 40 33.9	+1.1
TULEG	Thule	56.95 344	i P	P	14 40 30.7	+2.7
TULEG	comp=Z,94nm,1.1s			I Amb	I Amb	14 40 32.3
SOMN	Songio Array	57.12 52	P	P	14 40 35.5	+0.3
SOMN	comp=Z,8.4nm,0.8s			baz=267,slow=84,SNR=4	baz=267,slow=84,SNR=4	14 45 25.7 +0.8
SOMN	Songio Array	57.12 52	ScP	ScP	14 40 35.5	+0.3
SOMN	comp=Z,0.9nm,0.7s			baz=277,slow=5.6,SNR=3.5	baz=277,slow=5.6,SNR=3.5	15 08 20.9
SOMN	Songio Array	57.12 52	LR	LR	14 40 35.5	+0.3
SOMN	comp=Z,290nm,20.1s			baz=316,slow=40	baz=316,slow=40	14 40 37.5 +1.6
CKGRV	CKGRV	57.19 185	i P	P	14 40 37.5	+1.6
GRTLQ	Ghanzi	57.37 188	i P	P	14 40 39.3	+2.1
ULN	Ulanbaatar	57.52	ScP	ScP	14 40 38.7	+0.6
ULN	comp=Z,17nm,0.8s			p max	p max	14 40 44.8 +1.9
MREMI	Moremi	58.21 181	i P	P	14 40 44.8	+1.9
BOD	Bodaibo	58.34 39	e P	P	14 40 43.2	-0.3
BOD	comp=Z,25nm,1.7s			p max	p max	14 40 48.8 +2.0
KGCAE	Kacgae	58.75 186	i P	P	14 40 50.5	+1.8
LPHEP	Lephephe	59.03 182	i P	P	14 40 50.9	+1.7
KDWAN	Kaudwane	59.10 184	i P	P	14 40 51.1	+1.9
KOOLE	Kule	59.10 189	i P	P	14 40 50.8	+1.3
WIN	Windhoek	59.13 192	P	P	14 40 52.4	
WIN	comp=Z,44nm,0.9s			I Amb	I Amb	14 40 50.8 +1.3
WIN	Windhoek	59.13 192	P	P	14 40 50.8	+1.3
WIN	comp=Z,44nm,0.9s			p max	p max	14 40 50.6 -1.2
TIXI	Tiksi	59.57 21	P	P	14 40 50.6	-1.2
TIXI	comp=Z,30nm,0.8s			I Amb	I Amb	14 40 52.6
TIXI	Tiksi	59.57 21	LR	LR	15 10 14.8	
TIXI	comp=Z,673nm,20.8s			baz=352,slow=40	baz=352,slow=40	14 40 51.9 +0.1
TIXI	Tiksi	59.57 21	e P	P	14 40 51.9	+0.1
TIXI	comp=Z,32nm,1.0s			p max	p max	14 40 51.6 -0.2
TIXI	Tiksi	59.57 21	P	P	14 41 04.7	-0.7
LZH	Lanzhou	59.69 65	e P	P	14 40 52.0	-1.4
LZH	comp=Z,14nm,1.1s			p max	p max	14 40 50.8 +1.3
LZH	Lanzhou	59.69 65	P	P	14 40 52.4	
LZH	comp=Z,300nm,16.5s			LR	LR	14 40 50.8 +1.3
LZH	comp=Z,250nm,17.9s			LR	LR	14 40 50.8 +1.3
LZH	Lanzhou	59.69 65	LR	LR	14 40 50.8	+1.3
LZH	comp=Z,200nm,17.5s			LR	LR	14 40 57.7 +0.9
VOI	Voitsoka	60.20 160	P	P	14 41 14.2	
VOI	comp=Z,62nm,1.5s			I Amb	I Amb	14 40 59.0 +1.8
SKOMA	Sekoma	60.27 184	i P	P	14 41 00.2	+0.2
LBTB	Lobatse	60.68 183	P	P	14 41 45.6	+1.9
LBTB	comp=Z,279nm,18.8s			baz=358,slow=39	baz=358,slow=39	15 10 09.4
LBTB	Lobatse	60.68 183	LR	LR	14 41 00.2	+0.2
LBTB	comp=Z,70nm,0.8s			p max	p max	14 41 45.6
LBTB	Lobatse	60.68 183	P	P	14 41 02.0	+2.0
LBTB	comp=Z,279nm,18.8s			baz=358,slow=39	baz=358,slow=39	14 41 01.1 -1.9
LBTB	Lobatse	60.68 183	P	P	14 41 01.7	-1.3
LBTB	comp=Z,31nm,0.6s			baz=70,slow=7.3,SNR=75	baz=70,slow=7.3,SNR=75	15 10 02.0
LBTB	Lobatse	60.68 183	P	P	14 41 02.0	+2.0
LBTB	comp=Z,177nm,18.1s			baz=86,slow=38	baz=86,slow=38	14 41 02.0
CD2	Chengdu	61.86 71	P	P	14 41 09.4	+1.3
CD2	comp=Z,20nm,1.0s			p max	p max	14 49 30.5 +2.4
CD2	Chengdu	61.86 71	S	S	14 49 30.5	+2.4
CD2	comp=Z,420nm,2.8s			p max	p max	14 41 10.8 +0.3
CD2	Chengdu	61.86 71	LR	LR	14 41 30.5	+1.1
CD2	comp=Z,340nm,23.9s			LR	LR	14 43 31.9 +4.3
CD2	Chengdu	61.86 71	LR	LR	14 49 31.0	-1.6
BTO	Baotou	62.23 58	e P	P	14 41 10.8	+0.3
BTO	comp=Z,270nm,22.0s			p P	p P	14 43 31.9 +4.3
BTO	Baotou	62.23 58	P	P	14 49 31.0	-1.6
BTO	comp=Z,40nm,0.5s			p max	p max	14 42 03.6 -0.4
BTO	Baotou	62.23 58	P	P	14 42 05.8 +0.5	
BTO	comp=Z,280nm,5.5s			LR	LR	14 51 18.6 +2.1
BTO	Baotou	62.23 58	LR	LR	14 42 03.6 -0.4	
BTO	comp=Z,960nm,21.0s			LR	LR	14 42 05.8 +0.5
BTO	Baotou	62.23 58	LR	LR	14 51 18.6 +2.1	
BTO	comp=Z,370nm,11.4s			LR	LR	14 42 03.6 -0.4
BTO	Baotou	62.23 58	LR	LR	14 42 03.6 -0.4	
BTO	comp=Z,130nm,5.0s			LR	LR	14 41 11.8 +0.4
PZH	PanZhihua	62.33 76	P	P	14 41 11.8	+0.4
PZH	comp=Z,30nm,1.4s			p max	p max	14 41 17.8 +0.9
PZH	PanZhihua	62.33 76	P	P	14 49 31.0	-1.6
PZH	comp=Z,130nm,5.1s			p max	p max	14 41 17.8 +0.9
HHC	Hu-ho-hao-te	63.19 58	e P	P	14 41 17.8	+0.9
HHC	comp=Z,31nm,0.7s			S	S	14 49 45.9 +1.3
HHC	Hu-ho-hao-te	63.19 58	S	S	14 49 45.9	+1.3
HHC	comp=Z,230nm,16.0s			p max	p max	14 41 17.8 +0.9
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 17.8	+0.9
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 17.1 -1.1
HHC	Hu-ho-hao-te	63.19 58	P	P	15 09 29.5	
HHC	comp=Z,340nm,17.6s			LR	LR	14 41 17.1 -1.1
HHC	Hu-ho-hao-te	63.19 58	LR	LR	14 41 17.1	-1.1
HHC	comp=Z,230nm,16.0s			LR	LR	14 41 17.1 -1.1
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 17.1	-1.1
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 20.3 -1.2
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,340nm,17.6s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,230nm,16.0s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,340nm,17.6s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,230nm,16.0s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,340nm,17.6s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,230nm,16.0s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,340nm,17.6s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,230nm,16.0s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,340nm,17.6s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,230nm,16.0s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,340nm,17.6s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,230nm,16.0s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,340nm,17.6s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,230nm,16.0s			LR	LR	14 41 21.8
HHC	Hu-ho-hao-te	63.19 58	P	P	14 41 21.8	
HHC	comp=Z,240nm,16.8s			LR	LR	14 41 21.8</

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Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like D19K Kuna River, BINY Binghamton, K57A Scipio Center, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like I27K Kandik River, I29M Ogilvie Camp, I29M Ogilvie Camp, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like J18K Innoko River, J16K Anvik River, TRF The Fare Moun, etc.

PMR	Palmer	82.77 359	P	P	14 43 11.2	-0.8
KLU	Klutina	82.78 357	P	P	14 43 11.8	-0.5
YUK6	Outpost Mounta	82.82 353	P	P	14 43 11.9	-0.7
M18K	Stony River	82.85 2	P	P	14 43 11.9	-0.6
HYT	Haines Junction	82.85 353	Iamb	Iamb	14 43 27.2	
HYT	Haines Junction	82.85 353	P	P	14 43 12.4	-0.3
PDPR	Patillas River	82.87 287	Iamb	Iamb	14 43 14.8	
M17K	Holita River	82.89 3	Iamb	Iamb	14 43 34.1	
M17K	Holita River	82.89 3	P	P	14 43 12.9	+0.2
P33M	Teslin, Yukon	82.90 351	Iamb	Iamb	14 43 13.4	
P33M	Teslin, Yukon	82.90 351	P	P	14 43 12.2	-0.8
SUA	Susitna One	82.92 359	Iamb	Iamb	14 43 33.5	
SUA	Susitna One	82.92 359	P	P	14 43 12.5	-0.5
KNK	Knik Glacier	82.94 358	Iamb	Iamb	14 43 45.7	
KNK	Knik Glacier	82.94 358	P	P	14 43 12.8	-0.2
IGPR	InterUniversit	82.97 287	Iamb	Iamb	14 43 15.8	
TOAD	Toad River Com	82.97 346	P	P	14 43 12.9	-0.3
MJAR	Matsushiro Arr	82.99 50	P	P	14 43 13.4	-0.4
MJAR	Matsushiro Arr	82.99 50	LR	LR	15 23 52.9	
O28M	Mount Upton	83.14 354	P	P	14 43 14.0	-0.5
P48A	Milroy	83.16 314	Iamb	Iamb	14 43 14.5	
SPCR	Spurr Chakacha	83.19 0	P	P	14 43 13.3	-1.1
M16K	Timber Creek	83.20 3	P	P	14 43 14.1	-0.2
BMRM	Bremner River	83.24 356	P	P	14 43 14.0	-0.6
S51A	Beattyville	83.27 312	Iamb	Iamb	14 43 15.8	
R50A	Paris	83.29 313	Iamb	Iamb	14 43 15.8	
RC01	Rabbit Creek A	83.29 359	Iamb	Iamb	14 43 35.2	
RC01	Rabbit Creek A	83.29 359	P	P	14 43 13.8	-1.0
M14K	Bethel	83.29 5	Iamb	Iamb	14 43 36.9	
M14K	Bethel	83.29 5	P	P	14 43 14.0	-0.7
M11K	Mekovuk	83.29 7	P	P	14 43 14.2	-0.5
R33M	Jennings River	83.43 349	Iamb	Iamb	14 43 17.3	
R33M	Jennings River	83.43 349	P	P	14 43 16.2	+0.5
M15K	Kasigluk River	83.43 4	P	P	14 43 14.6	-0.9
O29M	Mount Kennedy	83.47 353	P	P	14 43 15.0	-0.9
Q38K	Kings Mountain	83.48 309	Iamb	Iamb	14 43 17.0	
PWL	Port Wells	83.49 358	P	P	14 43 15.3	-0.6
SFIN	Lafayette	83.50 316	Iamb	Iamb	14 43 16.3	
M13K	Dali Lake	83.52 6	P	P	14 43 16.1	+0.2
N19K	Bonanza Creek	83.56 1	P	P	14 43 16.0	-0.3
P32M	Atlin	83.62 351	P	P	14 43 15.7	-0.9
N18K	Kilae Creek	83.66 2	P	P	14 43 16.4	-0.4
EYAK	Cordova Ski Ar	83.71 357	P	P	14 43 16.9	-0.1
N16K	Nishik Lake	83.75 3	P	P	14 43 17.1	-0.1
N17K	Nushagak Hills	83.77 3	P	P	14 43 17.2	-0.1
PINM	Pinnacle	83.82 354	P	P	14 43 17.6	0.0
SDBA	SAO DESIDERIO	83.87 250	eP	P	14 43 19.5	+0.9
SBJ	Serang	83.94 102	P	P	14 43 19.8	+1.0
SKAG	Skagway	83.95 352	P	P	14 43 18.1	-0.1
N15K	Kwethluk River	83.99 4	P	P	14 43 18.1	-0.3
Q32M	Nakina River	84.04 350	Iamb	Iamb	14 44 43.1	
Q32M	Nakina River	84.04 350	P	P	14 43 18.6	-0.3
P29M	Windy Craggy	84.05 353	P	P	14 43 18.5	-0.2
V53A	Saluda	84.06 310	Iamb	Iamb	14 43 22.4	
PLBC	Pleasant Camp	84.07 352	P	P	14 43 18.7	-0.1
P46A	Rosedale	84.07 315	Iamb	Iamb	14 43 19.2	
O19K	Port Alsworth	84.18 1	P	P	14 43 18.9	-0.4
DLBC	Dease Lake	84.20 349	LR	LR	15 24 52.0	
DLBC	Dease Lake	84.20 349	P	P	14 43 19.9	+0.3
SEW	Seward	84.27 359	P	P	14 43 19.6	-0.1
O20K	Slope Mountain	84.31 0	P	P	14 43 20.2	0.0
TNG	Tangerang	84.38 102	P	P	14 43 24.3	+3.2
F33A	5 Mile Ranch,	84.41 325	Iamb	Iamb	14 43 21.3	
WCI	Wyandotte Cave	84.48 314	P	P	14 43 20.8	-0.5
WCI	Wyandotte Cave	84.48 314	Pmax	Pmax	14 43 20.8	-0.5
O18K	Koktuk Hills	84.50 2	P	P	14 43 21.2	+0.2
O17K	Koliganek Bris	84.53 3	P	P	14 43 21.4	+0.3
BG3	Lake Jocassee	84.58 310	Iamb	Iamb	14 44 05.2	
STK1	Sintang	84.58 94	P	P	14 43 24.1	+1.9
O16K	Kokwok River B	84.67 3	P	P	14 43 21.9	+0.1
TKL	Tuckaleechee C	84.67 311	Iamb	Iamb	14 43 23.1	
HOM	Home	84.74 360	P	P	14 43 21.9	-0.2
Q23K	Middleton Isla	84.86 357	P	P	14 43 22.7	-0.1
S34M	Telegraph Cree	84.88 349	Iamb	Iamb	14 43 37.9	
S34M	Telegraph Cree	84.88 349	P	P	14 43 23.3	+0.3
P18K	Big Mountain,	84.97 2	P	P	14 43 23.3	-0.1
O15K	Ungalikthiuk R	84.99 4	P	P	14 43 23.3	-0.2
R17K	City Hall, Gus	85.02 352	P	P	14 43 23.3	-0.1
P31K	Kivchak River	85.13 2	P	P	14 43 23.0	-1.1
P16K	Nushagak River	85.23 3	P	P	14 43 24.8	+0.2
Q19K	Cape Douglas,	85.46 1	P	P	14 43 25.5	-0.3
S31K	Pelican	85.52 352	P	P	14 43 26.1	0.0
LEM	Lembag	85.54 102	LR	LR	15 28 16.1	
T35M	Bob Quinn	85.63 348	Iamb	Iamb	14 43 41.8	
T35M	Bob Quinn	85.63 348	P	P	14 43 26.3	-0.4

Q16K	King Salmon	85.64 2	P	P	14 43 26.6	-0.1
S32K	Killisnoo	85.80 351	P	P	14 43 26.8	-0.7
SP1A	Paul Is	85.94 10	P	P	14 43 28.1	-0.1
SIT	Sitka	86.29 351	P	P	14 43 29.9	0.0
V48A	Smith Brothers	86.46 312	Iamb	Iamb	14 43 31.4	
FPAL	Fort Payne	86.56 311	Iamb	Iamb	14 43 32.4	
KDAK	Kodiak Island	86.62 0	LR	LR	15 26 07.7	
WVT	Waverly	86.80 313	P	P	14 43 31.6	-1.2
WVT	Waverly	86.80 313	P	P	14 43 31.6	-1.2
R18K	Kariuk	86.81 1	P	P	14 43 32.4	-0.1
SHEM	Shemys Is, Ala	86.85 20	LR	LR	15 26 59.0	
OHAK	Old Harbor	87.17 1	P	P	14 43 33.9	-0.3
CCM	Cathedral Cave	87.43 316	P	P	14 43 35.0	-0.9
CCM	Cathedral Cave	87.43 316	P	P	14 43 35.0	-0.9
V35K	Ketchikan	87.44 349	P	P	14 43 35.0	-0.5
X48A	Hartselle	87.47 312	Iamb	Iamb	14 43 36.2	
Y49A	Blount Mountai	87.48 311	Iamb	Iamb	14 43 36.9	
BOAV	Boa Vista	87.50 271	P	P	14 43 37.8	+1.3
BOAV	Boa Vista	87.53 349	P	P	14 43 37.7	+1.1
BDFB	Brasilila	88.23 249	P	P	14 43 40.2	+0.2
SNDB	Serra Nova Dou	88.54 254	eP	P	14 43 42.6	+1.2
FALS	False Pass	89.01 7	P	P	14 43 42.9	-0.1
FCAR	Frank Folk Cen	89.46 315	Iamb	Iamb	14 43 45.7	
UNV	Unalaska Valle	89.68 9	P	P	14 43 45.2	-1.0
BBB	Bella Bella	89.80 346	LR	LR	15 28 35.5	
NIKH	Nikolski High	90.22 10	P	P	14 43 47.5	-1.2
UALR	University of	90.38 315	Iamb	Iamb	14 43 50.0	
NEW	Newport	90.60 338	LR	LR	15 27 49.3	
MSO	Missoula	90.82 335	Iamb	Iamb	14 43 52.6	
OGNE	Ogallala	90.84 265	Iamb	Iamb	14 43 52.1	
MACA	Manacapurou-AM	90.86 267	P	P	14 43 54.1	+1.8
MACA	Manacapurou-AM	90.86 267	eP	P	14 43 53.6	+1.3
X40A	Basin Creek Fa	90.87 315	Iamb	Iamb	14 43 51.3	
YNE	Yellowstone No	90.95 332	Iamb	Iamb	14 43 53.3	
BOZ	Bozeman (W)	91.06 333	Iamb	Iamb	14 43 53.7	
K22A	Casper	91.49 328	Iamb	Iamb	14 43 55.0	
YHL	Hebgen Lake	91.53 338	Iamb	Iamb	14 43 56.4	
YMR	Madison River	91.60 332	Iamb	Iamb	14 44 10.9	
DLMT	Dillon	91.61 333	Iamb	Iamb	14 44 09.6	
YHB	Horse Butte	91.62 332	Iamb	Iamb	14 44 10.3	
H17A	Grant Village	91.68 332	Iamb	Iamb	14 43 59.1	
JCJ	Chichijima	91.73 55	LR	LR	15 30 54.9	
YFT	Old Faithful	91.73 332	Iamb	Iamb	14 43 58.7	
SDV	Santo Domingo	91.84 282	P	P	14 43 56.8	-0.4
SDV	Santo Domingo	91.84 282	eP	P	14 43 57.5	+0.3
FLWY	Flagg Ranch	91.99 332	Iamb	Iamb	14 44 12.7	
BRIGG	Briggsdale	92.19 326	Iamb	Iamb	14 43 58.6	
E09A	Wood Farm, Sta	92.47 337	Iamb	Iamb	14 44 12.9	
PDRB	Porto dos Gac	92.60 258	eP	P	14 44 01.5	+1.2
PDAR	Pinedale Arr	92.65 330	P	P	14 43 58.9	-1.7
PDAR	Pinedale Arr	92.65 330	LR	LR	15 27 45.3	
N23A	Red Feather La	92.67 327	Iamb	Iamb	14 44 00.8	
N23A	Red Feather La	92.67 327	P	P	14 43 59.8	-0.9
GNW	Green Mountain	92.88 341	Iamb	Iamb	14 44 01.6	
HAWA	Hanford	93.01 338	Iamb	Iamb	14 44 02.3	
F07A	Phinny Hill Vi	93.08 338	Iamb	Iamb	14 44 05.4	
X34A	Smith Ranch, M	93.58 318	Iamb	Iamb	14 44 19.1	
Q24A	Divide	93.86 325	Iamb	Iamb	14 44 06.1	
WQAK	Divide	93.86 325	P	P	14 44 04.9	-1.4
WMOK	Wichita Mounta	93.99 319	Iamb	Iamb	14 44 06.8	
KAPI	Kappang	94.24 93	LR	LR	15 33 10.3	
G06A	Carlson Farm,	94.39 338	Iamb	Iamb	14 44 08.9	
MFD	Camas Ranch	94.45 335	Iamb	Iamb	14 44 09.8	
SMWD	Samnorwood	94.48 320	Iamb	Iamb	14 44 09.0	
T25A	Trinidad	94.98 324	Iamb	Iamb	14 44 11.3	
T25A	Trinidad	94.98 324	P	P	14 44 10.0	-1.3
PLPT	Palo Pinto	95.19 317	Iamb	Iamb	14 44 12.2	
BGU	Big Grassy Mou	95.58 331	Iamb	Iamb	14 44 14.9	
S22A	4UR Ranch, Cre	95.62 326	P	P	14 44 13.1	-1.3
APMT	Aspermont	95.78 319	Iamb	Iamb	14 44 14.7	
J05D	Fort Rock, OR	96.34 338	Iamb	Iamb	14 44 18.3	
SNK7	Snyder O7	96.38 319	Iamb	Iamb	14 44 17.0	
ELK	Elko	96.58 333	Iamb	Iamb	14 44 19.9	
BRDY	Brady	96.72 317	Iamb	Iamb	14 44 19.7	
ANMO	Albuquerque	97.73 324	LR	LR	15 30 28.6	
YBH	Yreka Blue Hor	98.20 338	LR	LR	15 30 25.0	
R11B	Tro Canyon, C	98.80 332	P	P	14 44 27.7	-0.8
DRIO	Del Rio	99.04 316	Iamb	Iamb	14 44 44.3	
PECS	Pecos	99.29 320	Iamb	Iamb	14 44 31.1	
NVAR	Minia Array Bea	99.73 334	P	Pdf	14 44 31.1	-1.6
NVAR	Minia Array Bea	99.73 334	PP	PP	14 48 34.1	-2.3
NVAR	Minia Array Bea	99.73 334	LR	LR	15 33 31.3	
121A	Cookes Peak, D	100.33 323	P	Pdf	14 44 34.0	-1.4

TXAR	Lajitas Array	100.78 318	P	Pdf	14 44 36.9	-0.5
WRA	Warramunga Arr	114.30 98	PKP	PKPdf	14 49 27.9	-0.4
ASAR	Alice Springs	115.84 101	PKP	PKPdf	14 49 30.9	-0.3
ASAR	Alice Springs	115.84 101	PKP	PKP	15 00 03.3	+1.5
HTT	Hallett	124.17 109	P	PKPdf	14 49 40.6	-6.3
HTT	Hallett	124.17 109	P	PKPdf	14 49 48.0	-0.9
STKA	Stephens Creek	125.61 106	PKP	PKPdf	14 49 49.9	-0.2
QSPA	South Pole Qui	125.80 130	PKP	PKP	14 49 49.5	+0.1
QSPA	South Pole Qui	125.80 130	PKP	PKPdf	14 49 48.7	-0.3
DZM	Mont Dzumac	141.32 81	eLR	LR	15 36 17.2	
TAOE	Telegraph Cree	150.98 336	eLR	LR	15 40 44.1	
PP2T	Papeete2	161.59 353	eSS	SS	15 15 34.1	+4.6
PP2T	Papeete2	161.59 353	eLR	LR	15 45 40.7	
PP2T	Papeete2	161.59 353	eLR	LR	15 45 40.9	
TBI	Tubuai	167.26 350	eLR	LR	15 48 23.3	

24d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MRSB, TURN, ARG, etc.

IDC 24 15:13:19.2,0.6,3.02N,31.35W, h0km, mb4.2/13, mbmp4.2/13, MS3.9/58, Error ellipse: s-maj=25.9km s-min=16.0km az=128.0.

NEIC 24 15:15:21.3,1.4,2.88N,0.06,31.1W,0.1, h10km,1km, mb4.9/26, Error ellipse: s-maj=22.3km s-min=3.9km az=118.0.

GCMT 24 15:15:25.3,0.3,2.84N,0.04,31.23W,0.0,2, h19km,1km, MW4.9/86, Moment Tensor Solution. s14,c17, s86,c105; Duration: 0 Moment tensor: Scale 10^10Nm; Mir-2.67±.19; Mww0.37±.11; Mww2.30±.12; Mw-1.25±.33; Mw0.10±.07; Mw-0.39±.23; Best double couple: M2.73800x10^16 NP1±0.160,00000±, s44,00000±, -1.119,00000±. NP2: ±s17,00000±, s52,00000±, -1.65,00000±. Principal axes: T 2.3300, P1g4.0000, Azm90.0000; N 0.8170, P1g20.0000, Azm11.0000; P -3.1470, P1g70.0000, Azm348.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

ISC 24 15:13:20.9,0.5,2.99N,0.08,31.20W,0.09, h10km, n18, s19/65, mb4.7/28, MS3.9/56, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RCBR, SACV, NBLA, etc.

2019 JAN

Main table with columns: LPAZ, RUSC, CZSB, etc. Includes station names like La Paz, Ruzh, Cruzeiro do Sul, etc.

1420

Table with columns: BVAR, NRK, ILAR, AAK, CMAR, ASAR, etc. Includes station names like Borovoye Array, Norik'sk, etc.

IDC 24 15:14:46.2,2.4,2.85S, 128.21'E, h0km, mb3.5/2, mbmp3.6/3, ML3.3/1, Error ellipse: s-maj=180.4km s-min=28.7km az=68.0.

DJA 24 15:14:49.8,0.3,3.3S, 12.82'E, h10km, M3.6/11, MLV3.6/11

ISC 24 15:14:52.1,1.0,3.06S,0.05,127.86E,0.05, h38km, n11, s097/15, Seram

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AAI, AAI, NSAI, etc.

IDC 24 15:28:19.5,2.3,1.82N, 126.66'E, h0km, mb3.3/3, mbmp3.3/3, Error ellipse: s-maj=183.8km s-min=27.7km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, WRA, ASAR, etc.

ISK 24 15:42:33.6, 98.91N, 41.55E, h5km, ML2.7/9 AFAD 24 15:42:33.6, 98.90N, 41.55E, h7km, 3km, ML2.4

ISC 24 15:42:34.0, 9.38'N, 98.38'W, 0.02, 41.52E, 0.02, h9km, 8km, n22, s076/40, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MUM, MUM, MUM, etc.

IDC 24 15:55:57.0, 0.4, 9.49S, 74.59W, h0km, mb4.7/30, mbmp4.7/35, ML4.3/4, MS4.3/4, Error ellipse: s-maj=16.1km s-min=10.7km az=61.0.

MOS 24 15:56:02.5, 2.0, 9.72S, 74.68W, h5km, mb5.3/8, Error ellipse: s-maj=13.8km s-min=5.5km az=103.3.

NEIC 24 15:56:02.4, 2.0, 9.72S, 0.04, 74.66W, 0.05, h72km, 6km, mb5.1/74, Error ellipse: s-maj=9.0km s-min=2.6km az=49.0.

RSNC 24 15:56:03.0, 0.4, 10.5, 3, 7.5W, h87km, 6km, M4.7, mB5.3, mb5.1, ML4.8, Mw(MwB)4.7, Hypocentre not reviewed by the ISC

GCMT 24 15:56:03.0, 0.4, 9.60S, 0.03, 74.81W, 0.03, h36km, 1km, MW5.0/66, Moment Tensor Solution. s34, c39; s66, c20; Duration: 0 Moment tensor: Scale 10^16Nm; Mir-3.25±.27; Mww0.52±.13; Mww3.77±.15; Mw-0.51±.13; Mw0.89±.12; Mw-1.81±.15; Best double couple: M4.06500x10^16 Inu1±0.333,0000±, s35,0000±, 1.63,0000±. NP2: ±s183,00000±, s59,00000±, 1.06,00000±. Principal axes: T 3.8430, P1g71.0000, Azm130.0000; N 0.4840,

Plg14.0000°, Azm354.0000°; P -4.3260, Plg13.0000°. Azm261.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

VAO 24 15:56:04.7±0.5, 9:56S:74:54W, h48km, 4km, mb5.6 BUJ 24 15:56:05.0, 9:56S:74:70W, h70km, mb5.1/1, Ms5.1/4, Ms7.4/74

ISC 24 15:56:01.8±0.4, 9:59S:0:04.7±67W:0:04, h44km, 3km, h44km, 3km, nsta4, 2±58/304, mb5.2/97, MS4.3/42, CB-10D, Central Peru

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual. Lists various seismic stations and their recorded data.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual. Lists various seismic stations and their recorded data.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual. Lists various seismic stations and their recorded data.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SCLA, CEDA, POSSE, PACA, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like 152A, LRAL, 247A, 154A, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MNDN, NVAR, YNE, YHL, etc.

NEIC 24 16:38:05.0±0.8, 35°85'N, 0109°96'69W, 0.02, h5km, 1km, mb, Lg2.749, ML3.0/4.3, ML3.5/1.8, Error ellipse: s-maj=2.9km s-min=2.2km az=93.0

NEIC 24 16:38:05.0±0.9, 35°86'N, 0101°96'69W, 0.02, h5km, 2km, Error ellipse: s-maj=2.3km s-min=1.4km az=81.0, Oklahoma

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like OK031, OK031, OK031, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BCOK Bluff Creek, N, Franklin, FNO, KAN13, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like APLL, CO03, AAGR, CERRO LA CRUZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZALV, KURBS, DJA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Hungye, Gushan, Ta-pu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Moose Creek, Mount Upton, Outpost Mounta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Tsoukalades, Tsoukalades, KALE, etc.

ISC 24 17:55:44.3 0.9, 61.33N, 0.03, 139:75:0.04, h13km, 7km, n12, c054/21, Southern Yukon Territory

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Steele Glacier, Talbot Arm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Kurbb Kurchatov Arra, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like RIZ Raoul Island, RAO Raoul Island, etc.

Table with columns: ARMA, Armadale, ARMA Armadale, etc. Includes stations like ARMA Armadale, TBI Tubuai, etc.

UPP 24 18:00:28.3:0.1,67.06N:20.98E,h0km,ML2.4,Unknown, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like DUNU Dundret, PAJU Pajala, etc.

ISC 24 18:14:29.4:0.4,25.98S:105.177E,h389km,n264,1972/270,mb4.8/86,5C-2D,South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like RIZ Raoul Island, RAO Raoul Island, etc.

ARMA Armadale, ARMA Armadale, TBI Tubuai, etc.

Table with columns: ARMA, Armadale, ARMA Armadale, etc. Includes stations like ARMA Armadale, TBI Tubuai, etc.

IDC 24 18:00:29.5:0.9,67.04N:21.09E,h0km,mbtm3.0/4, ML2.1/4, Error ellipse: s-maj=16.1km s-min=8.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like DUNU Dundret, PAJU Pajala, etc.

UPP 24 18:00:29.0:0.1,67.06N:20.21E,h0km,ML2.6,Unknown

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like DUNU Dundret, PAJU Pajala, etc.

ARMA Armadale, ARMA Armadale, TBI Tubuai, etc.

Table with columns: ARMA, Armadale, ARMA Armadale, etc. Includes stations like ARMA Armadale, TBI Tubuai, etc.

IDC 24 18:07:20.1:1.9,3.37N:128.72E,h0km,mb3.7/5, mbtm3.7/5, Error ellipse: s-maj=160.7km s-min=19.3km az=68.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like TNTI Ternate, SGSI Sangihe, etc.

IDC 24 18:07:38.8:1.2,33.10N:128.10E,0.09,h100km,n17, 12501/19,mb3.7/5, North of Halmaera

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like BHW Baring Head, PLWZ Palliser, etc.

ARMA Armadale, ARMA Armadale, TBI Tubuai, etc.

Table with columns: ARMA, Armadale, ARMA Armadale, etc. Includes stations like ARMA Armadale, TBI Tubuai, etc.

NEIC 24 18:14:26.4:1.9,25.9S:105.178E,0.1, h345km,7km, mb4.6/36, Error ellipse: s-maj=18.6km s-min=14.7km az=154.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like LHI Lord Howe Island, ODZ Otahua Downs, etc.

NOU 24 18:14:26.1:25.81S:177.79W, h425km, mb4.8/69, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like ALEG Aligege Malai, HNR Honiara, etc.

IDC 24 18:14:28.9:1.4,25.84S:178.86W, h374km,1.3km, mb4.1/18, mbtm4.8/20, Error ellipse: s-maj=13.3km

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like ARMA Armadale, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like NLAI Namlea, MORW Morawa, SANI Sanana, GIRL Giralia, etc.

Table with columns: STHS, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Stebnicka Huta, Liptovska Anna, LANS LANS, etc.

IDC 24 18:25:52.3z:8.3,7,64S:128'62E, h176km, 89km, mb2.8/1, mbtmp3.6/5, MS2.9/1, Error ellipse: s-maj=86.8km

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BATI Baumenta, BATI Davao City (W), FITZ Fitzroy Crossi, etc.

IDC 24 18:30:05.7z:25.0,7,786N:104'26W, h0km, mb3.2/3, mbtmp3.3/3, MS3.5/20, Error ellipse: s-maj=747.5km

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CMIG Matias Romero, LPIG La Paz, JTS Las Junonas, etc.

NEIC 24 18:37:55.7z:1.3,52'76N:0.03:163'15W:0.09, h10km, 2km, mb3.8/20, ML3.7/8, ML3.3(AEIC), Error ellipse: s-maj=9.2km

IDC 24 18:37:55.4z:1.1,53'01N:162'92W, h0km, mb3.8/14, mbtmp3.8/16, ML3.3/2, MS3.3/4, Error ellipse: s-maj=27.5km

AEIC 24 18:37:57.0z:0.8,52'74N:0.09:163'11W:0.09, h17km, 6km, Error ellipse: s-maj=13.2km

ISC 24 18:37:55.4z:0.8,52'73N:0.08:163'03W:0.05, h10km, n83, s=1928/87, mb4.0/13, MS3.3/4, South of Alaska

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like WESE West Dahl East, ISLZ Isanotski Laza, SSSL Shishaldin Sou, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like N14K Eastkokwak Cree, O16K Kokwok River B, N15K Kwehuk River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists various stations like NGZ, RITZ, NTVZ, etc.

mb5.3.ML2.7. Hypocentre not reviewed by the ISC
DJA 24 18:56:36.9.0.7, S:3.14'8E, h30km,6km, M5.2/73,
mb5.5/73, mb5.6/30, Mw(mb)5.2/30

GMT 24 18:56:37.9.0.2, 6.29S, 0.01x148.23E, 0.01, h51km, 1km,
MW5.1/117, Moment Tensor Solution, s72.69,
s117.c190; Duration: 0 Moment tensor: Scale 1016Nm;

ISC 24 18:56:36.5.0.3, 6.12S, 0.03x148.20E, 0.04, h68km, 2km,
h69km; pp-P, n645, e162/602, mb5.2/147, 12C-10D, New
Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists stations like BULLU, PMG, PMG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists stations like AS31, ASAR, ASAR, etc.

NEIC 24 18:45:56.9.1.8, 7.32S, 0.09x129.9E, 0.1, h143km, 19km,
mb4.1/2, Error ellipse: s-maj=17.5km s-min=12.9km
az=95.0

ICC 24 18:45:57.5.8.5, 7.53S, 129.93E, h102km, 91km, mb3.6/3,
mbmp4.2/7, ML4.4/3, MS4.4/2, Error ellipse: s-maj=77.2km
s-min=25.9km az=28.0

DJA 24 18:45:58.1.0.5, 7.3' S, 3' 13' 0E, h148km, 11km, M4.2/12,
mb5.2/2, mb4.1/7, ML3.4/3/12, Mw(mb)4.5/2

ISC 24 18:45:55.8.0.7, 4.71S, 0.05x129.91E, 0.06, h150km, n39,
e286/44, mb3.6/3, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists stations like SAUI, SAUI, SAUI, etc.

CTA Charters Tower 14.01 188 P Pn 18 59 52.0 +0.1
comp=2.11nm,0.7s,baz=1.2,slow=14,SNR=23

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

CTA Charters Tower 14.01 188 Pn 18 59 52.9 +1.0
comp=2.1um,20.1s,baz=9.5,slow=38

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

STKA Stephens Creek 26.36 193 P P 19 02 06.7 +0.6
comp=3.96nm,0.7s,baz=3.4,slow=8.9,SNR=29

BJJ 24 18:56:32.3.6, 2.25S, 148.31E, h70km, mb5.1/15, mb4.8/48,
Ms4.6/16, Ms7.4/3/17

MOS 24 18:56:34.3.1.1, 6.03S, 148.01E, h61km, mb5.3/23, Error
ellipse: s-maj=9.7km s-min=6.2km az=96.7

ICC 24 18:56:35.8.0.6, 6.09S, 148.15E, h64km, 4km, mb4.6/22,
mbmp4.9/27, MS4.0/5.1, Error ellipse: s-maj=17.4km
s-min=7.3km az=95.0

NEIC 24 18:56:35.9.2.2, 6.06S, 0.07x148.03E, 0.08, h59km, 5km,
mb5.2/136, Error ellipse: s-maj=10.9km s-min=10.1km
az=82.0

RSNC 24 18:56:36.1.0.0, 6.10S, 14.8E, 1.0, h70km, 104km, M2.8,

comp=2.95nm,1.0s

comp=2.95nm,1.0s

comp=2.95nm,1.0s

comp=2.95nm,1.0s

comp=2.95nm,1.0s

comp=2.95nm,1.0s

comp=2.95nm,1.0s

comp=2.95nm,1.0s

comp=2.95nm,1.0s

comp=2.95nm,1.0s

24d 18h

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like F15K North Star Dit, KDAK Kodiak Island, KDAK Kodiak Island, H16K Elim, N18K Kilae Creek, Q19K Cape Douglas, I17K Unalakleet, K17K Iditarod, K17K Iditarod, ZALV Zalesovo Beam, ZALV, ZALV, J17K VABM Dome, Q20K Shuyak Island, G16K Koyuk River, M18K Stony River, L18K Granite Mounta, P19K Oil Pt, N19K Bonanza Creek, KSH Kashi, H17K Granite Mounta, G17K Kivalik Mounta, O20K Slope Mountain, TTA Talatina, J18K Innoko River, L19K White Mountain, M19K Big River Lodg, F17K Baldwin Pennin, C16K Lisburne Hills, E17K Hotham Inlet, D17K Noatak River, BRSE Bradley Lake S, M20K Styx River, L20K Farewell, AK, SPCR Spurr Chakacha, GCSA Galena City Sc, J19K Poorman, G18K Tagewawik, RDOG Red Dog Mine, CAPN Captain Cook N, F18K Selawik, K20K Telida, C17K DeLong Mountai, E18K Tukpahlearik C, SEW Seward, SKT Skwentna, H19K Roundabout Mou, KURK Kurchatov, KURBB Kurchatov Arra, KURBB, SUA Susitna One, J20K Nowinta River, G19K Purcell Mounta, PPLA Purkeynile, AAK Ala-Archa, F19K Shaleruckik Mo, RC01 Rabbit Creek A, C18K Utukok River, M22K Willow, CAST Castle Rocks, H20K Anotlenegga Mo, CHUM Lake Minchumin, B18K Kokolik River, PMR Palmer, PWR Port Wells, E19K Redstone River, E19K Redstone River, P23K Montague Islan, GHO Glory Hole Cre, KTH Kantishna Hill, KNK Knik Glacier, F20K Avarart Lake, D19K Kuna River, TRF Thorofare Moun, BPAW Bear Paw Mtn, SML Sawmill, SML Sawmill, H21K Melozitna Rive, G12K Glacier Island, I21K Tanana, M23K Glacier View

2019 JAN

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like G21K Allakaket, E20K Nigu River, SCM Sheep Creek Mo, RND Reindeer, EYAK South Ski Ar, QSPA South Pole Qui, MCK McKinley, F21K Alatna River, H22K Ishlitalina Cre, KLU Klutina, KLU Klutina, NEA2 Nenana, NEA2 Nenana, M24K Tolsona, Glenn, I23K Minto, Yukon-K, BMRM Bremner River, WRH Wood River Hill, C21K Knifeblade Rid, C21K Clear Creek Bu, N25K Chitina, Valde, COLA College, COLA, COLA, COLA, HARP HARP, G23K Bananza Creek, PAX Paxson, HDA Hamng Lake, COLD Coldfoot, D22K Ayikyak River, POKR Poker Plat Res, IL31, ILAR, ILAR, ILAR, K24K Donnelly Dome, H24K Noodor Dome, KKAR Karatay Array, KKAR Karatay Array, AK1K, CHGR Chuyangaron, CHGR, CHGR Chuyangaron, RIDG, A22K Sinclair Lake, B22K Teshekpuk Lake, E23K Chandalar, J25K Salcha River, MENT, D23K Nanushuk River, G24K Hadweenzic Riv, NRIK Noril'sk, NRIK Noril'sk, NRIK Noril'sk, NRIK Noril'sk, L26K Log Cabin Wild, L26K Log Cabin Wild, TOLK Toolik Lake Re, SCRK Seward Creek, F24K Squaw Lake, E24K Your Creek, PINM Pinnacle, M27K Edge Creek, AK, J26L Joseph Creek, D24K Happy Valley, O28M Mount Upton, L27K Beaver Creek, BCAR Beaver Creek A, YUK3 Moose Creek, C24K Franklin Bluff, BVCY Beaver Creek, F25K Christian River, I26K Coal Creek Min, I26K Coal Creek Min, YUK8 Steele Glacier, E25K Arctic Village, O29M Mount Kennedy, B2MR Burnt Mountain, G26K Porcupine Rive, D25K Kavik River, P29M Windy Craggy, F26K Sheenjek River, YUK4 Talbot Arm, YUK6 Outpost Mounta, EGAK Eagle

1430

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other metrics. Includes stations like EGAK Eagle, I27K Kandik River, BVAR Borovoye Array, BVAR, BVAR, HYT Haines Junctio, HYT Haines Junctio, H27K Steamboat Moun, M29M Somme Creek, P30M Million Dollar, SIT Sitka, DAWY Dawson, DAWY Dawson, PLBC Pleasant Camp, G27K Doyon Strip, C26K Camden Bay, I28M Miner Creek, N30M Aishik Lake, L29M L29M, C27K Jago River, S32K Old Crow, O30N Mendenhall, O30N Mendenhall, SKAG Skagway, E27K Coleen River, J29N Klondike Camp, R32K Eaglecrest, M30M Minto, Yukon, K29M Barlow Dome, CRAG Craig, N31M Braeburn, Yuko, F28M Old Crow, WHY Whitehorse, P32M Atlin, WRAK Wrangell Islan, E28M Babbage River, G29M Pine Creek, J30M Hart River, J30M Hart River, V35K Ketchikan, I30M Mount Dempster, I30M Mount Dempster, M31M Drury Creek, Y, EPYK Eagle Plains, D28M Stokes Point, P33M Teslin, Yukon, N32M Quiet Lake, G30M A'oh Zraii Nji, G30M A'oh Zraii Nji, FARO Faro, Yukon, S34M Telegraph Cree, F30M Barrier River, H31M Peel River, R33M Jennings River, G31M Satah River, DLBC Dease Lake, DLBC Dease Lake, BBB Bella Bella, F31M Tsihigheic, F31M Tsihigheic, INK Inuvik, INK Inuvik, INK Inuvik, WTLY Watson Lake, Y, YBH Yreka Blue Hor, YBH, TOAD Toad River Cou, ELIB Princess Elisa, ELIB Forest Hills D, AFDM, AFDM, J05D Fort Rock, OR, J05D, A36M Sachs Harbour, A36M Sachs Harbour, AKTO Aktyubinsk, CMB Columbia Colle, ARTI, BELA Belgrano 2, NVAR Mina Array Bea, NVAR, DSP Deep Springs, NEW Newport, NEW Newport, NEW Newport

ISC 24-20:03:28.0, 3.6, 28N, 0.04, 126.96E, 0.06, h200km, n205, c+103/215, mb4.7/9, 3C, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations and their associated data points.

Table with columns: JGF KRSR, Kuroka, Korea Array, Time, Res, ISC. Lists seismic stations and their data.

Table with columns: ARTI, M14K, M14K, Bethel, Time, Res, ISC. Lists stations and their data.

ISK 24-20:04:56.9, 32.86N, 35.38E, h6km, ML3.8/14
GII 24-20:04:58.0, 0.0, 32.777N, 0.001:35.318E, 0.001,
h4km, Mw5.3/14, confirmed
GRAL 24-20:05:00.6, 0.5, 32.79N, 35.33E, h0km, 3km, MD3.5
ISC 24-20:04:59.3, 0.0, 32.79N, 0.02:35.31E, 0.02, h10km, 6km,
n83, c+972/95, 8C-1D, Dead Sea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations and their data.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KNRA Kununurra, WB0 Warramunga Arr, WRAB Tennant Creek, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KKN baz=307,slow=0.0, DMN 11nm,0.3s, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like W13A Hualapai Mount, W13A comp=E,5.2nm,3.7s, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 24 21:19:30.5,3.6,6.49S, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NEIC 24 22:05:18.0,1.8,3.9, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 24 22:13:22.0,1.0,3.0, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DJA 24 21:25:18.4,1.0,10, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Q12A Willow Creek R, SPR3 Spring Creek 3, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AROD Rodeo, AROD Cuesta del Vie, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDC 24 21:35:03.3,2.5,2.2, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KKN baz=307,slow=0.0, DMN 11nm,0.3s, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like W13A Hualapai Mount, W13A comp=E,5.2nm,3.7s, etc.

comp=Z:2.2nm,0.7s,baz=304,slow=2.4,SNR=9.9
MKAR Makanchi Array 154.71 43 PKPbc PKPbc 22 33 23.8 -0.3

IDC 24:22:39.04:4.0,7.55:45N:164:30E,h0km,mb3.8/23,
mbmp3.9/25,ML4.7/1,MS2.8/2,Error ellipse:
s-maj=18.4km s-min=13.0km az=154.0

KRSC 24:22:39.05:9.1,1.55:34N:164:28E,h54km,22km,ML4.1
NEIC 24:22:39.06:4.1,4.55:4N:0.1:164:4E:0.2,h10km,1km,
mb4.0/38,Error ellipse:s-maj=30.0km s-min=6.0km
az=137.0

MOS 24:22:39.08:1.1,0.55:48N:164:24E,h39km,mb4.2/3,Error
ellipse:s-maj=15.8km s-min=10.5km az=77.9

ISC 24:22:39.08:0.2,2.55:36N:0:04:164:37E:0.04,h26km,17km,
n109,0:19/08/126,mb3.9/39,Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like Bering, Krutoberegovo, Semkarok, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like Old Crow, Miner Creek, Whitestone, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like LANU, Lannavaara, LANU, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, and various station codes. Includes stations like PODR Polo, HIDR Higuery Centro, and others.

CATAC 24 22:56:27.0r, 1.13°N, 8°9'W, h11km, 10km, M3.8/17, MLV3.8/17, Error ellipse: s-maj=24.2km s-min=6.5km az=21.2, confirmed

SNET 24 22:56:28.5, 1.0, 12.80N-88.90W, h30km, 4km, ML3.3

GCG 24 22:56:28.1, 1.3, 12.69N-89.12W, h58km, 48km, MD3.8

ISC 24 22:56:29.4, 1.9, 12.79N, 0.09, 88.92W, 0.06, h35km, n47, 0578/49, Off coast of central America

Main table for station 24d 23h, listing station names, azimuths, phase IDs, times, and residuals. Includes stations like TECO Alcaaldia de Te, LALO Alcaaldia de L, and others.

AEIC 24 22:57:10.6, 0.4, 53.42N, 0.05, 163.62W, 0.07, h7km, 7km, Error ellipse: s-maj=7.9km s-min=5.8km az=162.0

NEIC 24 22:57:06.5, 0.9, 53.27N, 0.06, 163.44W, 0.07, h10km, 2km, ML2=6, ML2.2(AEIC), Error ellipse: s-maj=10.7km s-min=7.4km az=175.0, Unimak Island region

Table for station 24d 23h, listing station names, azimuths, phase IDs, times, and residuals. Includes stations like WESE West Dahl East, ISLZ Isnotskis Laza, and others.

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

DJA 24 23:02:19.6, 0.3, 3°S, 3°12'6E, h10km, M4.3/18, mb4.8/5, mb4.8/7, MLV4.3/18, Mw(mb)4.1/5

ISC 24 23:02:18.1, 0.5, 3.40S, 0.05, 126.36E, 0.05, h10km, n46, 0125/49, mb4.2/14, Azu

Table for station 24d 23h, listing station names, azimuths, phase IDs, times, and residuals. Includes stations like NLAI Namlea, MORF, and others.

Table for station 2019 JAN, listing station names, azimuths, phase IDs, times, and residuals. Includes stations like AAI Ambon, MSAI Masohi, and others.

TOLIT Tolitoli, BKB Balikpapan, MTN Mantun Dam, KNRA Kunurra, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi

WBO Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr

WBE Warramunga Arr, WBE Warramunga Arr, WBE Warramunga Arr, WBE Warramunga Arr

COEN Coen, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs

STKA Stephens Creek, CMAR Karang Mai Arr, KSRS Korea Array, MJAR Matsushiro Arr

USRK Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr, USRK Ussuriysk Arr

GTA Gaotai, SONM Songoing Array, MKAR Makanchi Array, ZALV Zalesovo Beam

KURBB Kurchatov Arr, BVAR Borovoye Array, NRK Noril'sk, BELG Belogomoye

ISC 24 23:05:04.2, 2.2, 6.25°N, 143.14E, h0km, mb3.7/7, mbtmp3.7/9, ML3.2/2, Error ellipse: s-maj=109.5km s-min=18.0km az=76.0

ISC 24 23:05:10.3, 1.8, 25.7°N, 0.2, 143.0E, 0.5, h40km, n10, 01928/11, mb3.9/6, Volcan Island's region

JCJ Chichijima, JCJ Chichijima, JCJ Chichijima, JCJ Chichijima

MJAR Matsushiro Arr, KRSR Korea Array, USRK Ussuriysk Arr, WRA Warramunga Arr

ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array

FINES FINESS Array B, CNRM 24 23:12:27.3, 36°23N, 9°55W, h24km, ML2.5

MDD 24 23:12:29.2, 0.6, 36°35N, 9°76W, h40km, 16km, mb_Lg3.3/14, Error ellipse: s-maj=6.0km s-min=3.5km az=77.0

SFS 24 23:12:29.7, 36°35N, 9°74W, h47km, ML3.5/13, ML3.2/17, MLV2.9/17

IGIL 24 23:12:30.8, 36°43N, 9°62W, h17km, ML2.6

INMG 24 23:12:30.8, 1.2, 36°37N, 9°68W, h31km, 6km, ML2.6, Error ellipse: s-maj=3.4km s-min=3.3km az=71.0

#DIST_RANGE: REGIONAL #PKMA REGION: SW Cabo S.Vicente

ISC 24 23:12:27.8, 1.4, 36°36N, 0.04, 9°68W, 0.06, h35km, n79, 0182/136, 5C-1D, West of Gibraltar

PFO Vila Bispo, PFVI Vila Bispo, PFVI Vila Bispo, PFVI Vila Bispo

MORF Marlete, MORF Marlete, MORF Marlete, MORF Marlete

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

DJA 24 23:02:19.6, 0.3, 3°S, 3°12'6E, h10km, M4.3/18, mb4.8/5, mb4.8/7, MLV4.3/18, Mw(mb)4.1/5

ISC 24 23:02:18.1, 0.5, 3.40S, 0.05, 126.36E, 0.05, h10km, n46, 0125/49, mb4.2/14, Azu

Table for station 2019 JAN, listing station names, azimuths, phase IDs, times, and residuals. Includes stations like PFO Vila Bispo, MORF, and others.

Table for station 2019 JAN, listing station names, azimuths, phase IDs, times, and residuals. Includes stations like PTEO, PTEO, PTEO, PTEO

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

DJA 24 23:02:19.6, 0.3, 3°S, 3°12'6E, h10km, M4.3/18, mb4.8/5, mb4.8/7, MLV4.3/18, Mw(mb)4.1/5

ISC 24 23:02:18.1, 0.5, 3.40S, 0.05, 126.36E, 0.05, h10km, n46, 0125/49, mb4.2/14, Azu

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

DJA 24 23:02:19.6, 0.3, 3°S, 3°12'6E, h10km, M4.3/18, mb4.8/5, mb4.8/7, MLV4.3/18, Mw(mb)4.1/5

ISC 24 23:02:18.1, 0.5, 3.40S, 0.05, 126.36E, 0.05, h10km, n46, 0125/49, mb4.2/14, Azu

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

DJA 24 23:02:19.6, 0.3, 3°S, 3°12'6E, h10km, M4.3/18, mb4.8/5, mb4.8/7, MLV4.3/18, Mw(mb)4.1/5

ISC 24 23:02:18.1, 0.5, 3.40S, 0.05, 126.36E, 0.05, h10km, n46, 0125/49, mb4.2/14, Azu

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

DJA 24 23:02:19.6, 0.3, 3°S, 3°12'6E, h10km, M4.3/18, mb4.8/5, mb4.8/7, MLV4.3/18, Mw(mb)4.1/5

ISC 24 23:02:18.1, 0.5, 3.40S, 0.05, 126.36E, 0.05, h10km, n46, 0125/49, mb4.2/14, Azu

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

DJA 24 23:02:19.6, 0.3, 3°S, 3°12'6E, h10km, M4.3/18, mb4.8/5, mb4.8/7, MLV4.3/18, Mw(mb)4.1/5

ISC 24 23:02:18.1, 0.5, 3.40S, 0.05, 126.36E, 0.05, h10km, n46, 0125/49, mb4.2/14, Azu

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

DJA 24 23:02:19.6, 0.3, 3°S, 3°12'6E, h10km, M4.3/18, mb4.8/5, mb4.8/7, MLV4.3/18, Mw(mb)4.1/5

ISC 24 23:02:18.1, 0.5, 3.40S, 0.05, 126.36E, 0.05, h10km, n46, 0125/49, mb4.2/14, Azu

ISC 24 23:02:16.6, 0.8, 3.38S, 126.40E, h0km, mb4.2/12, mbtmp4.2/14, ML4.0/2, MS2.9/1, Error ellipse: s-maj=35.0km s-min=17.1km az=73.0

NEIC 24 23:02:17.4, 1.9, 3.31S, 0.09, 126.33E, 0.04, h10km, 2km, mb4.1/5, Error ellipse: s-maj=14.7km s-min=6.7km az=11.0

Table for station 2019 JAN, listing station names, azimuths, phase IDs, times, and residuals. Includes stations like PFO Vila Bispo, MORF, and others.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like San Pablo, Granatula de C, Sonseca Array, Lobios, Gavieira, Arco, Tiouine, Universidad Co, Tazzarine, Marzaricos, etc.

IDC 24 23:14:53.3:38.0, 36°22N-21°64E, h0km, mb3.8/4, mbmp3.8/4, Error ellipse: s-maj=744.2km s-min=53.1km az=36.0

ATH 24 23:14:59.1, 36°41N-21°61E, h78km, 4km, ML3.0/3, Error ellipse: s-maj=10.4km s-min=3.0km az=44.0

THE 24 23:15:01.0, 36°24N-21°54E, h30km, 5km, ML2.9/6, Error ellipse: s-maj=8.2km s-min=1.0km az=231.0

ISC 24 23:15:00.31, 36°22N-21°51E, 0.009, h55km, 15km, n34, c075/41, mb3.8/4, Southern Greece

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Ithomi, Veliia, Monemvasia, Antikythira Is, Drossia, KKRANDID, KRANDID, RLS, GOURA, KALAVRYTA, etc.

IDC 24 23:25:29.5:1.1, 35°27N-22°49E, h0km, mb3.9/13, mbmp3.8/25, ML3.6/11, MS3.2/6, Error ellipse: s-maj=19.1km s-min=14.7km az=9.0

BEO 24 23:25:34.5:0.6, 35°37N-21°88E, h0km, ML4.2/10 THE 24 23:25:36.1, 35°14N-22°46E, h63km, 2km, ML3.6/6, Error ellipse: s-maj=3.1km s-min=0.6km az=56.0

ATH 24 23:25:36.2, 35°14N-22°46E, h63km, 2km, ML3.5/4, Error ellipse: s-maj=14.6km s-min=2.0km az=56.0

NAO 24 23:25:37.1, 35°66N-22°52E, h10km, mb3.7 AFAD 24 23:25:40.0, 34°80N-23°03E, h66km, ML3.5 HLW 24 23:25:42.1, 34°76N-22°98E, h10km, 17km, Md3.7, M13.7

ISC 24 23:25:35.7:0.9, 35°21N-22°36E, 0.104, h39km, 2km, n167, c269/200, mb3.8/13, 10C-1D, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Antikythira Is, Antikythira Is, Iera Moni Meta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like CHANIA, GAVDHO, VELLIA, KANAYOTOS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like BBLs, DIVIBARE, FAYOUM, etc.

ATH 24 23:28:08.7, 35°08N-22°37E, h10km, 31km, ML3.2/1, Error ellipse: s-maj=31.6km s-min=2.6km az=0.0

THE 24 23:28:11.3, 35°12N-22°40E, h26km, 7km, ML3.3/5, Error ellipse: s-maj=8.9km s-min=1.3km az=225.0

AFAD 24 23:28:13.8, 34°45N-23°64E, h7km, 1km, ML3.3 IDC 24 23:28:14.5:2.2, 35°42N-22°47E, h61km, 25km, mb3.4/7, mbmp3.6/10, ML3.3/2, Error ellipse: s-maj=26.0km s-min=17.0km az=3.0

ISC 24 23:28:12.7:1.3, 35°21N-22°48E, 0.05, h54km, 14km, n54, c190/71, mb3.6/7, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like Antikythira Is, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Iera Moni Meta, Iera Moni Meta, Iera Moni Meta, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BJI, IDC, mbtm, JMA, NEIC, ISC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KTH, KSH, KSH, ILAR, STKA, BVAR, BRVK, NIL, NIL, KKAR, etc.

IDC 24 23:29:03.0 ± 1.1, 9.07S; 126.11E, h0km, mb3.7/5, mbtm 3.9, ML4.2/4, MS2.9/2, Error ellipse: s-maj=37.3km s-min=21.5km az=15.0

ISC 24 23:29:08.2 ± 0.8, 9.34S; 0.07, 126.05E; 0.07, h35km, n21, e253/21, mb3.8/5, Timor region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SOE, BAI, BAI, BAI, DRS, MTN, KDU, FITZ, FITZ, FITZ, WRA, WRKA, ASAR, ASAR, ASAR, AS01, QIS, OOD, CMAR, KSRS, USRK, SONM, MKAR, KURB, TORO, etc.

AEIC 25 00:15:01.6 ± 0.8, 53.31N; 0.10x163.51W; 0.09, h19km, gkm, Error ellipse: s-maj=16.1km s-min=2.2km az=151.0

NEIC 25 00:15:00.0 ± 0.6, 53.52N; 0.12, 163.7W; 0.1, h7km, 20km, ML2.8(AE), Error ellipse: s-maj=25.1km s-min=6.2km az=154.0, Unimak Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ULN, SONM, SONM, SLVN, SLVN, KMI, PZH, PZH, GTA, PHRA, MTN, CHTO, CMAR, CMAR, GOMU, GOMU, GOMU, KNRA, WMO, WB0, WRAB, WB2, WRA, FITZ, ANM, ANM, ZALV, ZALV, MK31, MK31, ASAR, ASAR, MAKZ, KURK, ILSW, ILSW, KDAK, KURB, F20K, CAST, CAST, etc.

IDC 25 00:22:43.3 ± 16.0, 19.12N; 69.41W, h0km, mb3.5/5, mbtm 3.5, MS3.4/24, Error ellipse: s-maj=341.7km s-min=70.5km az=153.0

SSNC 25 00:22:51.4 ± 1.8, 19.64N; 70.20W, h20km, 13km, MD3.4 SDD 25 00:22:55.7 ± 2.6, 19.98N; 70.47W, h23km, 51km, MD3.6, ML3.8, MW4.3

OSPL 25 00:22:56.5 ± 2.8, 19.94N; 70.52W, h0km, 12km, ML3.8, n72, e1924/70, mb3.5/5, MS3.5/22, 24C-2D, Dominican Republic region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Westadi Lapa, Westadi Lapa, Westadi Lapa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Grand Turk, Aguateca, Neiba UASD, etc.

ATH 25 00:51:29.2, 38°11'N-23°89'E, h10km, 4km, ML2.6/5, Error ellipse: s-maj=4.8km s-min=1.0km az=60.0

THE 25 00:51:28.9, 38°11'N-23°87'E, h12km, 1km, ML2.9/0, Error ellipse: s-maj=1.2km s-min=0.6km az=216.0, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kymi, Alosissos-2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKY, LKR, NEO, etc.

SOF 25 00:52:23.6, 40°5N-02°24'30E, h3km, 10km, MD2.2/5, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MMB, RZN, etc.

NEIC 25 01:08:52.2, 0.3, 19°94'N-0°05'155.46W, h45km, 5km, Error ellipse: s-maj=6.6km s-min=2.1km az=185.0

HVO 25 01:08:53.4, 0.7, 19°97'N-0°05'155.48W, h39km, 5km, ML2.1/4, ML2.5/27(NEIC), Error ellipse: s-maj=7.4km s-min=4.5km az=167.0, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HMH, HUH, etc.

IDC 25 01:19:30.9, 7.0, 34°00'N-142°26'E, h0km, mb3.4/4, mbtm3.3/5, ML2.8/7, Error ellipse: s-maj=168.9km

JMA 25 01:19:35.4, 0.5, 34°N-12°2'E, h48km, MV3.5/27, FAR E OFF CENTRAL HONSHU

ISC 25 01:19:35.8, 1.4, 34°2'N-0°1:142.0E-01:1, h21km, n14, c091/18, mb3.4/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BSO1, BSO3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MJAR, SONM, MKAR, etc.

NEIC 25 01:24:02.6, 2.0, 2°00'S-0°07':129°05'E-0°06', h10km, 1km, mb4.3/10, Error ellipse: s-maj=11.2km s-min=10.4km

DJA 25 01:24:05.7, 1.2, 2°S-2°12'9E, h33km, 20km, M4.8/18, mb4.9/12, mb5.3/7, MLV4.7/18, Mw(mb)4.8/7

IDC 25 01:24:05.9, 4.7, 1.83S, 129°23'E, h45km, 49km, mb3.7/9, mbtm3.9/10, ML4.6/2, MS2.9/6, Error ellipse: s-maj=43.7km s-min=18.7km az=67.0

ISC 25 01:24:03.8, 0.5, 1.89S, 0°04:129°10E-0°06', h24km, n52, c1950/51, mb4.0/14, MS2.8/4, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSAI, AAI, etc.

GMJ GUMUMKAS 16.83 247 P Pn 01 28 00.4 +2.3

COEN COEN 18.36 131 I Amb 01 28 17.3 +0.3

WB0 WARRANGANA 18.50 164 P Amb 01 28 46.8

WRW WARRANGANA 18.66 164 P P 01 28 17.1 -3.0

WB2 WARRANGANA 18.66 164 P P 01 28 19.1 -1.1

MBWA MARBLE BAR 21.22 205 P I Amb 01 28 45.5 -2.6

PSA00 PILBARA SEISMI 21.54 204 P I Amb 01 28 48.9 -2.6

GUMO GUAM 21.93 45 LR LR 01 37 52.8

AS31 ALICE SPRINGS 22.14 168 P I Amb 01 28 57.9 -0.1

ASAR ALICE SPRINGS 22.14 168 P P 01 28 57.0 -1.0

TPUB TA-PU 26.37 342 P P 01 29 38.9 +0.5

STKA SLEIGH CREEK 32.07 160 P P 01 30 29.5 +0.6

CMAR CHIANG MAI ARR 35.91 306 LR LR 01 46 09.3

KSR3 KORO ARA 39.15 359 LR LR 01 46 24.5

MJAR MATSUHISHIRO ARR 39.17 170 P P 01 31 28.0 -1.9

USRK USSURIYSK ARR 45.96 3 P P 01 32 25.3 +0.4

XLT XILINHOTE 47.06 347 P P 01 32 38.9 +5.2

GTA GAOTAI 49.12 330 P P 01 32 50.6 +0.9

SONM SONGINO ARRAY 53.35 341 P I Amb 01 33 20.8 -0.5

SONM SONGINO ARRAY 53.35 341 P P 01 33 20.2 -1.2

SONM SONGINO ARRAY 53.35 341 P P 01 34 28.5 -0.1

MKAR MAKANCHI ARRAY 63.51 326 P P 01 34 31.8 -0.4

ZALV ZALESOVO BARR 66.64 333 P P 01 34 51.4 -1.0

KURBB KURCHATOV ARR 67.73 328 P P 01 34 58.8 -0.6

BVAR BOROVYOYE ARR 73.30 327 P P 01 35 32.4 -1.0

NEIC 25 01:30:51.1, 1.5, 36°46'N-0°02:120°21'W-0°02', h10km, 1km, Error ellipse: s-maj=3.4km s-min=2.8km az=240.0

NCEDC 25 01:30:50.6, 1.9, 36°43'N-0°11:120°26'W-0°02', h7km, 3km, ML2.9/25, ML2.7/44(NEIC), Error ellipse: s-maj=2.4km s-min=1.7km az=66.0, Central California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PWMM, PDRM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like URZ Urewera, NNZ Nelson, RTZ Ruatahuna, etc.

SOME 25 01:55:38.0, 38°62'N, 75°32'E, h0km
IDD 25 01:55:38.0, 8.38, 98°28'N, 75°41'E, h0km, mb3.9/17,
mbmp3.8/22, M.L3.3/5, MS3.4/2, Error ellipse:
s-maj=16.8km s-min=14.3km az=112.0,
KRNET 25 01:55:40.0, 0.1, 39°05'N, 75°37'E, mb4.0,
NINC 25 01:55:41.8, 1.5, 39°15'N, 75°36'E, h0km, mb4.6, mpv4.4,
Error ellipse: s-maj=11.4km s-min=7.3km az=163.0,
ISC 25 01:55:40.3-0.6, 38.97N-0.05, 75.39E-0.03, h10km, n94,
g214/124, mb3.9/16, 42Z-13D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK Sufi, SALK Salom-Alik, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like CHKK 34nm,0.5s, KPKS Kokpek, IUG 55nm,0.3s, etc.

WEL 25 01:48:09.8-0.8, 40°S, 8°17'6E±1', h27km, gkm, M2.0/7,
ML2.3/10, MLV2.0/7, Error ellipse: s-maj=17.4km
s-min=6.4km az=119.3, North Island

WEL 25 02:15:36.0-0.5, 41°S, 2°17'6E±1', h5km, 2km, M3.9/15,
ML4.2/15, MLV3.9/15, Error ellipse: s-maj=2.9km
s-min=2.1km az=131.9,
NOU 25 02:15:36.5, 40°55'S, 175°74'E, h21km, MLV4.0/15, North
Island, New Zealand
ISC 25 02:15:35.5-0.6, 40.575°S, 0°02'175°64'E, 0°02, h10km, 6km,

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like DSH Takapari Road, PNHZ Pukenui, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like EKTS Eketahuna Scho, MRZ Mangatainaka R, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOCs Levin Horowhen, WDPs Woodville Poli, FXBS Foxton Beach S, etc.

ISC 25 02:38:44.8, 1.2, 9.80N, 126.77E, h0km, mb3.8/8, mbmp3.8/8, MS2.8/2, Error ellipse: s-maj=78.2km s-min=22.3km az=75.0

ISC 25 02:38:50.7, 1.0, 9.80N, 126.86E, h10km, n16, n084/8, mb3.7/8, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOW Kunigami, JCJ Chichijima, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURB Kurchatov Arra, ARCES ARCES Array B, FINES FINES Array B, etc.

NEIC 25 02:49:35.8, 1.4, 23.75S, 0.1x1.179.9W, 0.1, h531km, 8km, mb4.5/24, Error ellipse: s-maj=20.1km s-min=15.7km az=151.0

ISC 25 02:49:35.6, 1.5, 23.47S, 179.95W, h538km, 14km, mb3.7/6, mbmp4.6/7, Error ellipse: s-maj=21.4km s-min=19.3km az=118.0

ISC 25 02:49:35.0, 0.6, 23.66S, 0.008, 180.0W, 0.1, h532km, n49, n18/18, mb4.4/16, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, MSVF Nonsavu, URZ Urewera, etc.

ISC 25 03:14:24.0, 11.0, 23.29S, 179.75E, h507km, 119km, mb3.0/3, mbmp3.9/3, Error ellipse: s-maj=54.9km s-min=40.0km az=36.0

ISC 25 03:14:23.4, 1.3, 23.23S, 0.3x1.179.7E, 0.2, h500km, n6, n013/4, mb3.5/3, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, GSPA South Pole Qui, TXAR Lajitas Array, etc.

ISC 25 03:17:58.3, 3.0, 36.97N, 0.07, 173.3W, 0.2, h10km, n55, n208/78, 4C, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PFVI Vila Bisbo, PMAFR Mafra, MESJ Messejana, etc.

NOU 25 03:35:11.6, 18.01S, 177.88W, h604km, MLV4.4/6, Fiji Islands Region

NEIC 25 03:35:11.1, 1.9, 18.0S, 0.1x1.178.0W, 0.1, h596km, 8km, mb4.5/28, Error ellipse: s-maj=18.0km s-min=13.2km az=52.0

ISC 25 03:35:12.8, 1.2, 18.06S, 178.04W, h616km, 11km, mb3.5/13, mbmp4.4/15, Error ellipse: s-maj=22.4km s-min=14.0km az=133.0

ISC 25 03:35:10.1, 0.5, 18.20S, 0.09, 177.92W, 0.08, h590km, n129, n130/130, mb4.4/26, 15C-16, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LKBA Tubou, DGTI Dogotuki, MSVF Nonsavu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ODBI, VRI, BHO, VRAC, WRD, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EVO, PMAFR, PMAFR, PMAFR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ELOB, ELOB, ELOB, ELOB, etc.

CNRM 25 04:28:12.2, 36.12N:9.61W, h57km, ML3.8
MDD 25 04:28:12.9, 0.5, 36.13N:9.74W, h31km, 10km,
mb_Lg3.5/2.6, Error ellipse: s-maj=5.5km s-min=2.8km
az=59.0

SFS 25 04:28:14.0, 36.11N:9.63W, h40km, mb4.3/4, ML3.7/18,
ML4.0/18, MLv3.5/18

IGIL 25 04:28:15.8, 36.15N:9.60W, h31km, ML3.0
INMG 25 04:28:15.3, 1.6, 36.18N:9.62W, h29km, ML2.9, Error
ellipse: s-maj=4.7km s-min=2.9km az=65.0,
#DIST_RANGE: REGIONAL #PMA_REGION: SW Cabo
S. Vicente

ISC 25 04:28:12.9, 1.4, 36.18N:0.04:9.56W:0.06, h35km, n107,
r184/171, 9C, West of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PVFI, PVFI, PVFI, PVFI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like COIM, COIM, COIM, COIM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MT02, MT02, MT02, MT02, etc.

MOS 25 04:45:20.7, 1.3, 14.46S:75.40W, h63km, mb5.8/20,
M5.6/4, Error ellipse: s-maj=10.1km s-min=6.4km
az=103.9
IPG 25 04:45:21.0, 14.53S:75.39W, h66km, Mw5.7, Fault plane
solution: N1P1:phi:43.0000°, delta:1.00000°, lambda:1.00000°,
NP2:phi:144.0000°, delta:0.00000°, lambda:101.00000°,
NEIC 25 04:45:21.6, 14.52S:75.37W, h54km, Mw5.4,
RSNC 25 04:45:21.6, 1.1, 15.5S:10.7W, h57km, M5.7, mb6.1,
mb5.7, Mw(mb)5.6, MwMwp5.6, MwMwp5.7, Hypocentre not
reviewed by the ISC
NEIC 25 04:45:22.1, 14.54S:75.38W, h61km
VAO 25 04:45:22.1, 0.7, 14.45S:75.25W, h60km, 5km, mb5.6
IDC 25 04:45:22.1, 0.4, 14.42S:75.32W, h64km, 3km, mb5.0/26,
mbmp5.2/28, MS4.9/49, Error ellipse: s-maj=15.3km
s-min=8.6km az=65.0
NEIC 25 04:45:22.2, 1.4, 14.53S:0.06:75.35W:0.08, h60km, 1km,
Mw5.7/585, Mw5.7/34, Mw5.7/43, Error ellipse:
s-maj=13.6km s-min=10.0km az=243.0, Moment Tensor
Solution: Moment tensor: Scale 10^17 Nm. Mw: 0.91,
Mw: 0.68, Mw: 1.59, Mw: 2.43, Mw: 2.36, Mw: 3.06, Fault
plane solution: M4.15000°/101°/NP1:phi:145.12000°,
delta:2.90000°, lambda:106.29000°. NP2:phi:36.32000°, delta:17.23000°

25d 4h

Table with columns for station ID, name, elevation, frequency, mode, and coordinates. Includes stations like MESJ, PVAQ, PSBE, etc.

2019 JAN

Table with columns for station ID, name, elevation, frequency, mode, and coordinates. Includes stations like S34M, WTLY, WRGLY, etc.

1450

Table with columns for station ID, name, elevation, frequency, mode, and coordinates. Includes stations like BVCY, F31M, EKA, etc.

Table with columns: Station Name, Time, Date, Status, etc. Includes stations like G26K Porcupine River, BCLA Clavier, R011 Rabbit Creek A, etc.

Table with columns: Station Name, Time, Date, Status, etc. Includes stations like J20K Novinta River, M18K Stony River, SQTA Sankt Quirin, etc.

Table with columns: Station Name, Time, Date, Status, etc. Includes stations like NOA NORSAR Array B, F18K Selawik, K15K Wolf Creek Mound, etc.

Table with columns: Station, Name, Az, El, AzEl, P, Max, Min, Res. Includes stations like UZB Uzynbulak, KPKS Kokpek, KURK Kurchatov, etc.

Table with columns: Station, Name, Az, El, AzEl, P, Max, Min, Res. Includes stations like ARTI Arti, K20K Killik River, G21K Allakake, etc.

Table with columns: Station, Name, Az, El, AzEl, P, Max, Min, Res. Includes stations like GEVA Gevas, FIAI FINESS Array S, FINES FINESS Array B, etc.

ICD 25 04:53:45.1+1.6, 30.03N+131.10E, h0km, mb4.0/10, mbtmp3.9/15, ML3.3/5, Error ellipse: s-maj=35.9km s-min=22.5km az=121.0 JMA 25 04:53:47.6+0.2, 29.9N+107.1314E+0.8, h28km, 1km, MV3.7/23, NEAR AMAMI-OSHIMA ISLAND JMA 25 04:53:47.3+0.4, 30.00N+131.127E+0.08, h16km, 21km, n28, +0868/33, mb3.8/10, Kyushu

25d 6h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like HNS HongShan, XLT XiLinHaoTe, ASAJ Asahikawa, JKA Kamikawa-asahi, HHC Hu-ho-hao-te, etc.

2019 JAN

Table with columns: Station Name, Time, Res, and various codes. Includes stations like KSH Kashi, NIL Nilore, BVAR Borovoye Array, BRVK Borovoye, etc.

1456

Table with columns: Station Name, Time, Res, and various codes. Includes stations like KAN08 Anthony NE Sta, FW03 Perrin-Whitt E, FW06 Azle, etc.

NEIC 25 06:05:18.9:1.0, 5:36N-32:70W, h0km, mb3.9/10, mbmp3.9/10, Error ellipse: s-maj=31.1km s-min=21.9km az=129.0

NEIC 25 06:05:21.5:2.2, 5:2N:0.1:1.32:6W:0.1, h10km, 1km, mb4.6/17, Error ellipse: s-maj=26.1km s-min=13.7km az=134.0

ISC 25 06:05:20.3:0.5, 5:25N:0.10:32:7W:0.1, h10km, n31, r1307/23, mb4.2/18, Central Mid-Atlantic Ridge

ISC 25 06:08:57.1:1.5, 7:05:0.1:144.9E:0.2, h33km, 5km, mb4.3/16, Error ellipse: s-maj=27.2km s-min=11.8km az=110.0

NEIC 25 05:48:15.7:1.2, 35:26N:0.01:97:883W:0.010, h5km, 1km, mb_Lg2.3/18, ML3.0/24, ML2.5/45, Error ellipse: s-maj=2.9km s-min=2.1km az=70.0

ISC 25 06:08:57.3:3.7, 6:99S:145:18E, h48km, 38km, mb4.0/8, mbmp4.2/11, ML3.7/2, MS3.6/3, Error ellipse: s-maj=28.9km s-min=26.7km az=117.0

NEIC 25 05:48:16.1:1.3, 35:27N:0.01:97:88W:0.011, h7km, 5km, Error ellipse: s-maj=1.8km s-min=1.4km az=172.0, Oklahoma

ISC 25 06:08:56.6:0.7, 7:10S:0.08:145:1E:0.1, h35km, n36, r137/33, mb4.2/13, Near south coast of New Guinea

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OKCSW OKLAHOMA CITY, OKCSW OKCSW, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for NILore, KURBB, Q19K, QSPA, GSPA, G18K, J19K, E19K, F20K, BVAR, ILAR, and TORO.

Table with columns: SUA, Susitna One, Pn, 06 27 51.2 +1.4, IAML, 06 27 58.5, M19K, Big River Lodg, 2.04 284, Pn, 06 28 14.6 +0.4.

Table with columns: M19K, Big River Lodg, 2.04 284, Pn, 06 28 14.6 +0.4, IAML, 06 28 41.1, M19K, Big River Lodg, 2.04 284, Pn, 06 28 42.3.

NEIC 25 06:15:26.2±1.6, 52.72N, 0.03±163.14W, 0.09, h10km±2km, mb3.5/14, ML3.2(AEIC), Error ellipse: s-maj=9.1km s-min=5.2km az=80.0

AEIC 25 06:15:30.0±1.5, 52.59N, 0.07±163.0W, 0.1, h25km±8km, Error ellipse: s-maj=11.6km s-min=8.2km az=153.0

ISC 25 06:15:25.8±1.7, 52.72N, 0.1±163.14W, 0.06, h10km±4.3, ±0.74/50, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like WESE, ISLZ, SSSL, AKSA, AKSA, AHB, AHB, FALS, FALS, ISNS, ISNS, ZRO, AKMO, AKMO, LVA, UNV, UNV, MREP, MSW, MSW, HAG, PUV, PS1A, OKTU, NIKH, CLCO, CLES, ANCK, OHAK, O16K, GSKC, L14K, K13K, K15K, J25K, H24K, H24K, BCAR, COLD, C18K, C18K, G24K, G24K, M29M, M29M, E23K, E23K, E24K, D23K, D23K, D24K, D24K, H29M, G29M, G29M, G31M, INK.

Table with columns: SUA, Susitna One, Pn, 06 27 51.2 +1.4, IAML, 06 27 58.5, M19K, Big River Lodg, 2.04 284, Pn, 06 28 14.6 +0.4.

Table with columns: M19K, Big River Lodg, 2.04 284, Pn, 06 28 14.6 +0.4, IAML, 06 28 41.1, M19K, Big River Lodg, 2.04 284, Pn, 06 28 42.3.

IDC 25 06:16:42.8±2.2, 17.84S, 178.23W, h616km±20km, mb3.2/7, mbtmp4.2/9, Error ellipse: s-maj=5.6km s-min=20.0km az=144.0

ISC 25 06:16:40.2±1.3, 18.0S, 0.3±178.0W, 0.2, h590km±n12, ±129/13, mb3.9/7, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MSVF, DZM, STKA, WRA, ASAR, ASAR, FITZ, MJAR, TXAR, ILAR, ARCES, BRTR, GERES.

Table with columns: SUA, Susitna One, Pn, 06 27 51.2 +1.4, IAML, 06 27 58.5, M19K, Big River Lodg, 2.04 284, Pn, 06 28 14.6 +0.4.

Table with columns: M19K, Big River Lodg, 2.04 284, Pn, 06 28 14.6 +0.4, IAML, 06 28 41.1, M19K, Big River Lodg, 2.04 284, Pn, 06 28 42.3.

NEIC 25 06:27:42.9±1.4, 61.51N, 0.02±150.23W, 0.05, h46km±4km, Error ellipse: s-maj=3.4km s-min=2.8km az=128.0

AEIC 25 06:27:43.4±1.4, 61.49N, 0.03±150.22W, 0.05, h46km±4km, ML3.1, ML3.2/150(NEIC), Error ellipse: s-maj=3.9km s-min=3.3km az=194.0

IDC 25 06:27:44.0±1.6, 61.50N, 150.17W, h59km±84km, mb3.3/1, mbtmp3.0/3, ML2.2, Error ellipse: s-maj=61.4km s-min=42.0km az=39.0

ISC 25 06:27:40.7±1.0, 61.47N, 0.02±150.20W, 0.02, h18km±4km, n263, 0679/261, Southern Alaska

Table with columns: SUA, Susitna One, Pn, 06 27 51.2 +1.4, IAML, 06 27 58.5, M19K, Big River Lodg, 2.04 284, Pn, 06 28 14.6 +0.4.

Table with columns: M19K, Big River Lodg, 2.04 284, Pn, 06 28 14.6 +0.4, IAML, 06 28 41.1, M19K, Big River Lodg, 2.04 284, Pn, 06 28 42.3.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Willow, Susitna One, Skwentna, etc.

Table with columns: J18K, Innoko River, I23K, Minto, Yukon-K, I20K, Naaghdene, etc. Includes various station codes and names.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Mina Casimiro, LPAZ, LPAZ, etc.

IDC 25 07:05:17.9-0.9, 43.08S, 42.24E, h0km, mb4.0/5, mbmp4.0/5, Error ellipse: s-maj=46.7km s-min=27.2km az=40.0

ISC 25 07:05:19.2-1.0, 43.1S, 0.33E, 42.1E, 0.3, h10km, n11, 0552/8, mb4.0/5, Prince Edward Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like South Pole Qui, Cape Leeuwin H, etc.

IDC 25 07:09:15.6-1.8, 54.68N, 83.75E, h0km, mbmp2.6/3, ML2.0/3, Error ellipse: s-maj=16.2km s-min=10.6km az=10.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like ZALESOVO INFRA, ZALV, etc.

NNC 25 07:23:47.9-0.7, 50.09N, 78.95E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=6.7km s-min=3.0km az=40.0, Suspected Mining explosion.

IDC 25 07:23:47.8-1.2, 50.05N, 78.80E, h0km, mbmp2.5/2, ML2.0/2, Error ellipse: s-maj=14.3km s-min=7.5km az=63.0

ISC 25 07:23:46.2-0.9, 50.10N, 0.05E, 78.97E, 0.05, h0km, n21, 1501/30, 14C-9D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like Kurchatov Arra, Kurchatov Arra, etc.

25d 8h

Table with columns: BLB, Station Name, Frequency, Power, and other parameters. Includes entries like Baldybastay, Borovoye Array, and BVAR.

OSPL 25 07:36:18.7:0.8, 18:22N:71:81W, h53km, 9km, ML1.8
SDD 25 07:36:18.8:0.8, 18:20N:71:99W, h23km, 17km, MD2.3, ML1.8, MW2.5

ISC 25 07:36:18.3:1.3, 18:24N:0:05:71:85W, h26km, 11km, n8, e69/15, 2D, Dominican Republic region

Table with columns: Code, Station Name, Frequency, Power, and other parameters. Includes entries like JIDR Jimani, LODOU1, LOBH, and PODR.

MOS 25 07:47:02.0:0.8, 42:59N:141:59E, h132km, mb3.8/6, Error ellipse: s-maj=11.8km s-min=8.3km az=78.4

NEIC 25 07:47:03.1:2.1, 42:56N:0:07:141:6E:0.1, h126km, 9km, mb4.1/26, Error ellipse: s-maj=14.0km s-min=8.3km az=116.0

SKHL 25 07:47:03.5:0.4, 42:60N:141:70E, h130km, 4km, mb4.8/4, msh5.5/5

JMA 25 07:47:03.2:0.1, 42:6N:0:4:141:5E:0.5, h115km, MV3.4/39, S OFF TOMAKOMAI

IDC 25 07:47:04.2:1.6, 42:73N:141:50E, h124km, 9km, mb3.5/13, mbtmp3.8/16, MS3.4/2, Error ellipse: s-maj=23.8km s-min=12.8km az=157.0

ISC 25 07:47:02.0:0.6, 42:57N:0:04:141:58E:0:03, h121km, 5km, n107, e69/122, mb4.0/30, Hokkaido region

Table with columns: Code, Station Name, Frequency, Power, and other parameters. Includes entries like JIAM Iburatsuma, JEW Eniwo, and JSH Shimam.

ASAJ Asahikawa 1.72 25 Pn Sn 07 47 33.2 +0.6

ASAJ 68nm, 0.5, baz=313, slow=19, SNR=8.6

JKA Kamikawa-asahi 1.72 25 Pn Pn 07 47 33.2 +0.1

JAR Ashorobuto 1.77 65 S Pn 07 47 36.4 +0.2

JJM Tenmabayashi 1.82 192 Pn Pn 07 47 34.0 +0.2

JSS Shosan 1.84 6 P Pn 07 47 35.3 +1.3

AKK Akkeshi 2.44 78 eP Sn 07 47 42.3 +0.7

NMR Nemuro-Hokkai 3.15 74 eS Sn 07 48 25.8 -2.2

SHO 140nm, 0.3s A A 07 48 26.1

YUK Yuzh-Kuril'sk 3.45 63 PN Sn 07 47 56.5 +1.7

YUK comp=Z,73nm,0.1s pmax pmax

YUK comp=N,139nm,0.2s pmax pmax

YUK comp=E,46nm,0.1s smax smax

2019 JAN

Table with columns: KUR, Station Name, Frequency, Power, and other parameters. Includes entries like MJB9 Matsu-Tunnel, MAJO Matushiro, and USRK USSuriysk Arr.

PEAOB Petropavlovsk 15.07 40 Pn Pn 07 50 28.4 +0.6

PEAOB Petropavlovsk 15.07 40 Pn Pn 07 50 28.4 +0.6

PETK Petropavlovsk 15.07 40 Pn Pn 07 50 27.3 -1.6

PETK Petropavlovsk 15.07 40 Pn Pn 07 50 27.7 -1.3

JCJ Chichijima 15.45 178 Pn Pn 07 50 32.1 -1.7

PJT Petropavlovsk 15.48 42 Pn Pn 07 51 15.5 -0.8

BJT Baijatiuau 19.24 271 P Iamb Iamb 07 51 29.1

BJT Baijatiuau 19.24 271 P pmax pmax 07 51 16.5 -0.8

SEY Seymchan 21.36 14 P P 07 51 38.7 -1.2

HHC Hu-ho-hao-ve 22.42 276 eP P pmax 07 51 49.8 -1.4

HHC comp=Z,15nm,0.6s pmax pmax

YOJ Yonaguni jima 23.70 226 P P 07 52 03.5 +0.3

YOJ Yonaguni jima 23.70 226 P P 07 52 03.5 +0.3

YOJ Yonaguni jima 23.70 226 P P 07 52 03.5 +0.3

SONM Songio Array 25.20 294 P P 07 52 15.5 -1.3

SONM Songio Array 25.20 294 P P 07 52 16.7 -0.1

H11N2 WAKE ISLAND Hy 31.21 129 T T 08 26 01.5

H11N1 WAKE ISLAND Hy 31.23 129 T T 08 26 04.2

H11N3 WAKE ISLAND Hy 31.23 129 T T 08 26 04.8

H11S1 WAKE ISLAND Hy 32.08 131 T T 08 26 48.4

H11S3 WAKE ISLAND Hy 32.08 131 T T 08 26 17.0

H11S2 WAKE ISLAND Hy 32.09 131 T T 08 26 22.4

PZH PanZhiHua 36.15 257 P P 07 53 53.5 +0.2

PZH comp=Z,10.0nm,0.5s pmax pmax

ZALV Zalesovo Beam 38.46 307 P P 07 54 12.4 +0.2

ZALV comp=Z,0.7nm,0.3s, baz=94, slow=7.7, SNR=4.7

WMQ Urumqi 38.72 291 eP P 07 54 15.0 +0.3

WMQ Urumqi 38.72 291 eP P 07 54 15.0 +0.3

WMQ Urumqi 38.72 291 eP P 07 54 15.0 +0.3

L16K Owhat River 39.27 40 P P 07 54 18.2 -0.7

Table with columns: PDAR, Station Name, Frequency, Power, and other parameters. Includes entries like Pinedale Array and IDC 25 07:50:41.0:2.2, 5:27N:125:33E, h0km, mb3.6/5.

ISC 25 07:50:42.4:1.0, 5:2N:0:0:2:124.9E:0:6, h10km, n8, e69/83/8, mb3.7/5, Mindanao

Code Station Name Az Phase ID Time Res ISC

YULB Yu-li 18.40 349 Op P ISC 07 56 56.7 +1.6

SSLB Suanglung 18.45 349 P P 07 54 56.5 -6.8

YOJ Yonaguni jima 19.27 355 P Pn 07 55 12.2 +3.9

WRA Warramunga Arr 26.22 160 P P 07 56 20.8 -0.5

ASAR Alice Springs 29.97 163 P P 07 56 49.4 -1.8

STKA Stephens Creek 40.12 158 P P 07 58 20.0 +1.5

MKAR Makrani Array 55.35 326 P P 08 00 18.1 +1.6

KURBB Kurchatov Arra 59.56 328 P P 08 00 47.0 +0.9

IDC 25 08:03:31.1:3.3, 32:30S:179:24W, h0km, mb3.9/2, mbtmp3.9/3, ML3.3/1, MS3.4/1, Error ellipse: s-maj=71.3km s-min=37.9km az=105.0, South of Kermadec Islands

Code Station Name Az Phase ID Time Res ISC

URZ Urewera 6.65 206 Op Pn 08 05 10.9 +0.8

URZ 0.5nm, 0.3s, baz=98, slow=17, SNR=1.3

PMG Port Moresby 28.53 299 LR LR 08 24 53.5

ASAR Alice Springs 41.99 270 P P 08 11 24.4 +0.1

WRA Warramunga Arr 43.16 275 P P 08 11 33.4 -0.4

H03N3 Juan Fernandez 80.50 123 T T 09 44 30.6

H03N2 Juan Fernandez 80.50 123 T T 09 44 30.5

H03N1 Juan Fernandez 80.52 123 T T 09 44 28.1

FINES Fineness Array B 146.54 338 PKPbc PKPdf 08 23 12.6 +0.4

ASRS 25 08:05:21.0:1.2, 54:03N:86:59E, h0km, M2.7, The Ashdugas of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

IDC 25 08:05:23.9:2.4, 54:00N:86:56E, h0km, mbtmp3.0/2, ML2.7/2, Error ellipse: s-maj=20.1km s-min=11.7km az=65.0, Southwestern Siberia

Code Station Name Az Phase ID Time Res ISC

I46RU ZALESOV INFR 1.03 268 Op I ISC 08 12 40.0

ZALV Zalesovo Beam 1.03 268 Pg Pg 08 05 43.6 +0.1

ZALV 1.5nm, 0.3s, baz=87, slow=16, SNR=8.6

ZALV 2.5nm, 0.3s, baz=89, slow=29, SNR=9.1

ZALV 11nm, 0.9s, baz=82, slow=32, SNR=7.9

KURBB Kurchatov Arra 5.97 239 Pn Pn 08 06 54.2 +0.8

1460

ASRS 25 08:05:21.0:1.2, 54:03N:86:59E, h0km, M2.7, The Ashdugas of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NMDO, PODR, CADR, GTBY, NADR.

DJA 25 09:44:19.3±0.4, 7.4°S×12.8E±, h398km, 9km, M4.5/16, mb4.9/3, mb4.2/13, MLv4.6/16, Mw(mb)4.2/3

NEIC 25 09:44:20.0±1.3, 6.63S±0.10, 127.65E±0.09, h385km, 10km, mb4.1/11, Error ellipse: s-maj=15.5km s-min=11.2km az=152.0

ISC 25 09:44:20.5±1.5, 6.75S±0.12, 127.59E±0.19, h397km, 19km, mb3.5/8, mb(m)4.4/12, Error ellipse: s-maj=21.4km s-min=10.2km az=56.0

ISC 25 09:44:20.4±0.5, 6.72S±0.06, 127.64E±0.05, h400km, n72, c128/77, mb4.0/12, Banda Sea

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations like BNDI, NLAJ, SAUI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MASC, QMBU, GUBY, NMDO, RCC, etc.

SJA 25 09:47:58.7±0.7, 20.38S±68.78W, h123km, 5km, ML3.4, MW3.5

GUC 25 09:48:01.1±0.7, 20.37S±68.85W, h115km, 3km, ML3.3

ISC 25 09:48:02.3±1.5, 20.41S±68.96W±0.06, h12km, 10km, n23, c1944/39, 3C-1D, Chile-Bolivia border region

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations like PB08, PX03, PB01, etc.

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations like BREF, SLOP, CAMI, SRAM, etc.

SSNC 25 09:44:56.1±1.3, 19.90N×74.52W, h17km, 5km, MD2.3, ML1.2, Cuba region

Table with columns for station code, name, coordinates, and time. Includes stations like SJCC San Jacinto, SDV Santo Domingo, and various other locations.

Table with columns for station code, name, coordinates, and time. Includes stations like S57A Dark Hollow, L305 Currie, NBMA Muriti-CE, and various other locations.

Table with columns for station code, name, coordinates, and time. Includes stations like N30M Aishikik Lake, SUMC Summit, M29M Somme Creek, and various other locations.

WEL 25 09:50:59.7, 0.6, 44.5, 4.4, 16.8, 8E1, h5km, M3.2/13, ML3.4/9, MLV3.2/13, Error ellipse: s-maj=6.5km s-min=3.1km az=136.7
NOU 25 09:51:00.8, 44.30S:168.35E, h5km, MLV3.7/10, South Island, New Zealand
ISC 25 09:50:59.9, 1.1, 44.36S:0.03x168.32E:0.04, h8km:11km,

Table with columns: Code, Station Name, n35, 0566/41, South Island, Phase ID, Time Res, ISC, h m s, ISC. Rows include MSZ Milford Sound, NSBS Neils Beach, JCB Jackson Bay, etc.

VIE 25 09:51:31.0±0.9, 45°10'N; 146°E, h0km, mb2.3/5, ml2.6/11, Error ellipse: s-maj=5.9km s-min=3.1km az=2.0, ROM 25 09:51:30.1±0.5, 45°10'N; 0.03-14.89E±0.04, h3km, ML3.1/6, Error ellipse: s-maj=3.8km s-min=2.5km az=236.0, RHSSO 25 09:51:31.4±0.5, 45°11'N; 146°E, h0km, mb2.2, ML2.5/6, ISC 25 09:51:31.0±1.1, 45°11'N; 0.02-14.66E±0.02, h5km, g9km, n55, 05108/96, SC-3D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, n55, 05108/96, SC-3D, Northwestern Balkan Peninsula, Phase ID, Time Res, ISC, h m s, ISC. Rows include RIV Rijeka, RAB Rab, GBR Gorja Briga, etc.

Table with columns: ACOM, S, Sg, 09 52 26.9 +2.9, AML, AML, AML, AML. Rows include ACOM, ACOM, ACOM, ACOM, ACOM, etc.

RSNC 25 09:53:39.8±0.0, 7°N; 17°3'W, h145km, mb3.7, ML2.4, Northern Colombia

Table with columns: Code, Station Name, n55, 05108/96, SC-3D, Northwestern Balkan Peninsula, Phase ID, Time Res, ISC, h m s, ISC. Rows include BARC Barichara, BRUC Barracabermeje, PAMC Pamplona, etc.

HEL 25 10:00:24.5±0.1, 64°67'N; 30°67'E, h0km, ML2.0, Suspected explosion KOLA 25 10:00:24.5, 64°67'N; 30°67'E, h0km, ML2.2, Error ellipse: s-maj=9.8km s-min=5.5km az=160.0, Kostomuksha, Karelia MOS 25 10:00:25.0±0.2, 64°67'N; 0°02-30°65'E±0.07, h0km, M2.5, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. IDC 25 10:00:27.0±2.7, 64°57'N; 30°95'E, h0km, mbtp2.9/4, ML2.1/4, Error ellipse: s-maj=42.8km s-min=10.4km az=106.0, ISC 25 10:00:23.6±0.9, 64°72'N; 0°02-30°51'E±0.04, h0km, n36, 05175/57, Finland-Karelia border region

Table with columns: Code, Station Name, n55, 05108/96, SC-3D, Northwestern Balkan Peninsula, Phase ID, Time Res, ISC, h m s, ISC. Rows include RMF Romuvaara, RUF RUF, KU1 Kurvinen, etc.

Table with columns: RANF, Ranua, 2.03 311, PG, Pg, 10 01 02.5 +0.1, Sg, Sg, Sg, Sg. Rows include RANF, KVDA Kovda, OBF4 Vikkela, etc.

MOS 25 10:01:13.0±0.3, 64°71'N; 0°02-30°7E±0.1, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021. KOLA 25 10:01:13.7, 64°63'N; 30°61'E, h0km, ML2.1, Error ellipse: s-maj=17.1km s-min=9.6km az=160.0, Kostomuksha, Karelia IDC 25 10:01:13.5±1.8, 64°77'N; 30°82'E, h0km, mbtp3.1/4, ML2.6/4, Error ellipse: s-maj=20.7km s-min=8.1km az=106.0, HEL 25 10:01:13.3±0.5, 64°66'N; 30°74'E, h0km, ML2.2, Suspected explosion ISC 25 10:01:13.2±1.1, 64°72'N; 0°04-30°36'E±0.05, h0km, n28, 05190/45, Finland-Karelia border region

Table with columns: Code, Station Name, n55, 05108/96, SC-3D, Northwestern Balkan Peninsula, Phase ID, Time Res, ISC, h m s, ISC. Rows include ERTU Ertisaerv, UMAU Umeaa, UMAU Kaananen, etc.

Table with columns: Code, Station Name, n55, 05108/96, SC-3D, Northwestern Balkan Peninsula, Phase ID, Time Res, ISC, h m s, ISC. Rows include MSF Maaselka, KU6 Rieikki, KU6 Oulanka, etc.

25d 10h

comp=2.0,3nm,0.3s,baz=60,slow=26,SNR=2.0
NOA NORSAR Array B 9.47 256 Pn Pn 10 03 30.2 -0.6
NOA baz=62,slow=14,SNR=4.9 Sn Sn 10 05 15.6 -2.3
NOA baz=80,slow=8.6,SNR=1.4 Lg Lg 10 06 17.9
NOA baz=114,slow=21,SNR=1.3 comp=2.0,2nm,0.3s

KRNET 25 10:02:44.7-0.1, 43.60N:69.61E,mb2.3
SOME 25 10:02:47.3, 43.67N:69.72E
NMC 25 10:02:47.4-1.9, 43.60N:69.73E, h0km, mb3.5, mpv3.1,
Error ellipse: s-maj=13.5km s-min=5.7km az=130.0,
Suspected Mining explosion,
ISC 25 10:02:47.8-1.9, 43.63N:0.07:69.90E:0.08, h0km, n15,
r15120, 12C, Central Kazakhstan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like BRLLS Borolday, KK31 Karatay Array, KKAR Karatay Array, IUG luzhny, MNAS Manas, ARSB Arslanbob, BTLS Baital, DGS Degeres, KST Kastek, MTBS Matube, TNSS Tian-Shan, MDOK Medeo, MJAR Matsushiro, etc.

JMA 25 10:04:37.0-0.1, 35.9N:0.3:140.4E:0.5, h50km, 1km,
MV3.1/39, SOUTHERN IBARAKI PREF
IDC 25 10:04:38.3-3.5, 35.83N:140.35E, h70km, 28km, mb3.3/7,
mbtmp3.67, MS2.52, Error ellipse: s-maj=33.1km
s-min=18.9km az=71.0
ISC 25 10:04:36.6-0.8, 35.92N:0.04:140.52E:0.05, h51km, 6km,
n41, r1534/38, mb3.7/8, Near east coast of eastern Ecuador

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations under Honshu: JIHU Itakohorinouch, JSMT Yamumatsuo, JYT Sannoto, JHO Hitachi, JAG Ashikaga, BSO3 Boso, BSO1 Boso, JRY Ryogasan, JKT Katashina, JOD2 Odawara, JMM Marumori, JMM Marumori, MJAR Matsushiro, ASAJ Asahikawa, JNU Nakatsu, KRSR Korea Array, SONM Songo Array, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, MKAR Makanchi Array, KURBB Kurchatov Arr, BVAR Borovoye Array, ILAR Elselon Array, WRA Warramunga Arr, ARTI ARTI, ASAR Alice Springs, RSNC 25 10:10:00.7-1.3, 1.4S:4.8W:1.0, h7km, M3.9, mB4.8, mb4.9, ML3.5, Mw(mb)4.2, NEIC 25 10:10:06.7-1.5, 1.25S:0.04:81.05W:0.10, h10km, 2km, mb4.4/12, Error ellipse: s-maj=17.7km s-min=4.5km az=249.0

IGQ 25 10:10:08.6-0.3, 1.5S:2.8W:1.1, h5km, 1km, MLv4.1/15
IDC 25 10:10:13.5-3.6, 1.24S:8.95W, h51km, 34km, mb3.7/3,
mbtmp4.07, ML3.6/4, MS3.2/7, Error ellipse: s-maj=50.73km
s-min=20.6km az=78.0
VAO 25 10:10:17.8-0.7, 1.25S:80.06W, h10km, mb4.4
ISC 25 10:10:08.5-0.9, 1.17S:80.02:80.91W:0.04, h16km, 6km,
n156, r2901/156, mb4.3/8, MS3.3/3, 9C-10D, Near coast of Ecuador

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists numerous stations including ISPT Isla de la Pla, PPLP Puerto Lpez, JIPI JIPIJAPA, APOZ Ecuador-Portov, ABH2 Ecuador-Univer, CABI Cabo Pasado-Ma, PECV Mancha de Ca P, SALI Salinas, ALIBE La Libertad, JAMA Jama, AGUAY Guayaquil, FLF1 Flavio Alfaro, GYE3 Ecuador-Guayaq, AQJE Quevedo, ABAB Ecuador-Univer, MILO Milagro-Astudi, MONB Balzapamba Mon, ISPG Isla Puna-Fuara, GCRD Ecuador-Toror, JSCH Cascha Toror, COHC Cochancay, COHC Cochancay, PORT Chimborazo Vol, TAMH Tambohuasa Ch, LLU Lluiznas Sur, IGUA Iguatala, PAST Pastocalle, SRAM San Ramn-Vol, BBIL Ulba Tungurahu, BMAS Trigal station, SLOR San Lorenzo, CAMI Rancho Maria, JU6 Juive, POND Pondo, GGPT Toaza - Volcan, BMOR Cotopaxi Volca, GMOT Cotopaxi Volca, JUA2 San Juan 2, BPAT Tungurahua Vol, TERV Teraza Guagua, PINO Pino, GCRD Yaguagu Pichine, BULB Ulba Tungurahu, BREF Cotopaxi Volca, VCES Cotopaxi, BV2C Cotopaxi Volca, PITA Cotopaxi Volc, PAC1 Pacto, Paraso, PAC1 Pacto, Paraso, PAC1 Pacto, Paraso, BTAM Cotopaxi Volca, VCI Cotopaxi 1, YANA Yana, TAMB Tambo, TING Casa Alexandra, PIAT Ana Tenorio, PIAT Ana Tenorio, PULU Pulu, RVRD Rio Verde, ANTD Antisana-Guama, ANTM Antisana-La Mi, ANTS Antisana-Sarah, OTAV Otavalo, OTAV Otavalo, OTAV Otavalo, OTAV Otavalo, ANTI Antisana, PUYO Puy Santa Ro, CUSE Cuicocha Este, CUSE Cuicocha Este, CUSE Cuicocha Este, CUSC Cuicocha-Domo, CUWIC Cuicocha Oeste, YANA Yana, ACOT Cotacachi (Cas, IMBA Imbabura, URCU Urcuqui, ARDO Archidona, Ten, BOSG San Juan Bosco, PUYF Puy Santa Ro, ANGU Anguanel, CAYA Cayambe, SNLR San Lorenzo-Es, LITE1 Lita, YAHU Yahuacocha, REVN San Rafael, CHMA Chilma, ECEN Cerro Negro, CHL1 VolcIn Chiles, CHL2 VolcIn Chiles, TULM Tulcn-Chalpat, TULM Tulcn-Chalpat, CMBC Cumbal, CMBC Cumbal, CMBC Cumbal, CASC Dorado de Casc, ZUMB Zumba, CRUC La Cruz, CRUC La Cruz, BBAC Balboa, Cauca, BBAC Balboa, Cauca, POPC Popayan, Colom, FLOC Florencia, JAMC Jamundi, Valle, JAMC Jamundi, Valle, PTLC Puerto Leguiza, PTLC Puerto Leguiza, ATAH Atahueta, ATAH Atahueta, ORTO Orto, ORTO Orto, MACC Macarena, Meta, MACC Macarena, Meta, ROSC El Rosal, ROSC El Rosal, BRUZ Volcan, CZSB Cruzeiro do Su, CZSB Cruzeiro do Su

1466

CZSB Cruzeiro do Su 10.45 129 eP Pn 10 12 38.9 +1.0
CZSB Cruzeiro do Su 10.45 129 eS Sn 10 12 29.6 -5.2
CZSB Cruzeiro do Su 10.45 129 Pn Pn 10 12 39.5
RUSC La Rusia 10.50 48 Pn Pn 10 12 39.3 +0.5
TBIG Tabatinga, AM 19.59 105 eP Pn 10 12 48.4 -2.2
TBIG Tabatinga, AM 19.59 105 eS Sn 10 14 48.2 -0.3
NNA Nana 11.48 160 Pn Pn 10 12 49.5 -2.4
NNA Nana 11.48 160 Pn Pn 10 12 52.8 +0.9
NNA 3.1nm,0.3s,baz=278,slow=14,SNR=3.6 S Sn 10 14 55.5 -4.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like ACON Acopya, SDV Santo Domingo, BAUV El Baul, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, MACA Macapuru-AM, MACA Vilhena, IGPR Inter-Univer, PDPR Patillas Dam, ITTB Itaituba, NPBG Progreso, PDRB Porto das Gar, MAL2 Monte Alegre, MDP Montagnes des, SNDB Santa Nava Dou, H03N2 Juan Fernandez, H03N1 Juan Fernandez, H03N3 Juan Fernandez, LRAL Lakeview Retre, LRAL Lakeview Retre, BDFB Brasil, CPCT Cooper Cave, CPCT Cooper Cave, RPN Rapa Nui, LCAR Lake Charles, LCAR Lake Charles, T42A Van Buren, T42A Van Buren, PLCA Paso Flores, PLCA Paso Flores, ULM Lac du Bonnet, YKA Yawoknife, TORD Torodi Arr, H1S2 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, KURBB Kurchatov Arr, ASAR Alice Springs, WRA Warramunga Arr

SDD 25 10:11:55.8-2.0, 20.07N:70.42W, h18km, 56km, MD3.4, ML2.9, MV3.2
OSPL 25 10:11:58.9-3.4, 19.91N:70.61W, h8km, 24km, ML2.6
ISC 25 10:11:56.3-2.5, 20.01N:0.07:70.49W:0.05, h20km, 10km,
n13, r082/22, 11C-2D, Dominican Republic

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like SC01 Santiago de O, MCDR Montecristi, MCDR Loma La Novisa, DR08 Loma La Novisa, DR08 Loma La Novisa, SDDR Presa de Saban, SDDR Samana, DR, SDDR Samana, DR, HATOM Hato Mayor del, HATOM Hato Mayor del, BANI BANI, BANI BANI, GRTK Grand Turk, GRTK Grand Turk, SDD Santo Domingo, SDD SDD, LONE3 El Aguacate, B, HIDR Higüey Central, HIDR Higüey Central, LOBH Bahía de las A, PCDR Punta Cana, DR, PCDR Punta Cana, DR

IGQ 25 10:22:36.8-0.2, 1.5S:2.8W:1.1, h4km, 1km, MLv3.5/31,
8C-4D, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like ISPT Isla de la Pla, ISPT Isla de la Pla, PPLP Puerto Lpez, PPLP Puerto Lpez, PPLP Puerto Lpez, PPLP Puerto Lpez, CABI Cabo Pasado-Ma, CABI Cabo Pasado-Ma, ROSC El Rosal, ROSC El Rosal, BRUZ Volcan, CZSB Cruzeiro do Su, CZSB Cruzeiro do Su, SALI Salinas, SALI Salinas

MT03		eS	Sn	15 50 01.1	-0.9
MT03	Universidad Ad	0.20 265	Pn	15 49 49.6	-0.4
MT03		eP	Sn	15 50 01.7	-0.3
MT16	CCHEN	0.21 283	Pn	15 49 49.3	-0.8
MT16	CCHEN	0.21 283	eP	15 49 49.5	-0.4
MT16		eS	Sn	15 50 01.1	-0.8
MT16		IAML		15 50 02.5	
comp=N,6µm,0.3s					
MT08	Bocatoma Ro	0.22 82	Pn	15 49 49.3	-1.0
MT08	Bocatoma Ro	0.22 82	eP	15 49 49.6	-0.6
MT08		eS	Sn	15 50 01.7	-0.9
MT08	Bocatoma Ro	0.22 82	Pn	15 49 49.6	-0.6
MT08		eS	Sn	15 50 05.0	+2.6
MT08		IAML		15 50 07.6	
comp=Z,2µm,0.4s					
MT14	Cerro Caljn	0.23 290	eP	15 49 49.7	-0.4
MT14		eS	Sn	15 50 01.5	-0.6
MT14		IAML		15 50 02.7	
comp=N,22µm,0.3s					
MT14		IAML		15 50 04.4	
comp=E,32µm,0.4s					
MT13	San Alfonso	0.27 182	Pn	15 49 49.1	-1.2
MT13	San Alfonso	0.27 182	eP	15 49 49.5	-0.8
MT13		eS	Sn	15 50 01.0	-1.5
MT13		IAML		15 50 02.6	
comp=N,15µm,0.4s					
MT13	San Alfonso	0.27 182	eP	15 49 48.8	-1.5
MT13		eS	Sn	15 50 01.9	-0.6
MT13		IAML		15 50 03.7	
comp=Z,5µm,0.4s					
MT10	Hacienda Santa	0.30 312	eP	15 49 50.2	-0.2
MT10		eS	Sn	15 50 02.5	-0.2
MT10		IAML		15 50 05.8	
comp=E,17µm,0.5s					
MT12	Pirque	0.34 222	eS	15 50 01.5	-1.4
MT12		IAML		15 50 03.9	
comp=E,13µm,0.4s					
LMEL	Las Melosas	0.37 171	Pn	15 49 49.4	-1.4
LMEL	Las Melosas	0.37 171	eP	15 49 49.9	-1.0
LMEL		eS	Sn	15 50 02.1	-1.3
LMEL		IAML		15 50 05.4	
comp=N,7µm,0.2s					
LMEL	Las Melosas	0.37 171	eP	15 49 50.0	-0.8
LMEL		eS	Sn	15 50 02.9	-0.5
LMEL	Renca	0.40 282	Pn	15 49 50.4	-0.4
MT05	Renca	0.40 282	eP	15 49 50.5	-0.2
MT05		eS	Sn	15 50 02.2	-0.9
MT05		IAML		15 50 03.9	
comp=E,33µm,0.3s					
MT05		IAML		15 50 04.3	
comp=N,35µm,0.4s					
MT05	Renca	0.40 282	eP	15 49 49.8	-0.9
MT05		IAML		15 50 03.9	
comp=Z,12µm,0.2s					
PEL	Peidehue	0.48 314	Pn	15 49 51.0	-0.3
PEL	Peidehue	0.48 314	eP	15 49 51.2	0.0
PEL		eS	Sn	15 50 04.1	0.0
PEL		IAML		15 50 05.4	
comp=N,23µm,0.4s					
PEL	Peidehue	0.48 314	eP	15 49 45.9	-5.4
BO04	La Punta	0.58 209	Pn	15 49 51.2	-1.0
BO04	La Punta	0.58 209	eS	15 49 51.4	-0.6
BO04		IAML		15 50 03.8	-1.6
BO04		IAML		15 50 05.9	
comp=E,11µm,0.2s					
MT09	Talagante	0.67 243	Pn	15 49 51.9	-0.8
MT09	Talagante	0.67 243	eP	15 49 52.2	-0.5
MT09		eS	Sn	15 50 05.3	-1.4
MT09		IAML		15 50 06.8	
comp=E,28µm,0.3s					
VA03	San Esteban	0.75 342	Pn	15 49 53.2	-0.1
VA03	San Esteban	0.75 342	eP	15 49 53.7	+0.4
VA03		eS	Sn	15 50 08.5	+0.7
VA03		IAML		15 50 10.2	
comp=E,17µm,0.2s					
VA03	San Esteban	0.75 342	eP	15 49 53.1	-0.3
VA03		eS	Sn	15 50 09.1	+1.3
VA03		IAML		15 50 10.2	
comp=Z,8µm,0.3s					
MT02	Curacav	0.76 286	Pn	15 49 53.0	-0.2
MT02	Curacav	0.76 286	eP	15 49 53.1	-0.2
MT02		i S	Sn	15 50 07.7	-0.4
MT02		IAML		15 50 08.6	
comp=N,5µm,0.2s					
MT02	Curacav	0.76 286	eP	15 49 53.0	-0.2
MT02		eS	Sn	15 50 07.8	+0.1
MT02		IAML		15 50 08.8	
comp=Z,3µm,0.2s					
ROC1	El Roble	0.80 309	eP	15 49 53.6	-0.3
ROC1		eS	Sn	15 50 09.3	+0.4
ROCH	El Roble	0.80 309	eP	15 49 54.0	+0.1
ROCH		eS	Sn	15 50 09.1	+0.3
ROCH		IAML		15 50 10.7	
comp=N,30µm,0.3s					
MT01	Popeta	0.90 244	Pn	15 49 53.6	-0.9
MT01	Popeta	0.90 244	eP	15 49 54.0	-0.6
MT01		eS	Sn	15 50 08.7	-1.4
MT01		IAML		15 50 09.9	
comp=N,11µm,0.5s					
VA05	Santo Domingo	1.14 261	Pn	15 49 56.5	-0.4
VA05	Santo Domingo	1.14 261	eP	15 49 56.6	-0.4
VA05		eS	Sn	15 50 13.1	-1.1
VA05		IAML		15 50 16.1	
comp=E,9µm,0.2s					
BO01	Tunca	1.14 216	Pn	15 49 56.4	-0.6
BO01	Tunca	1.14 216	eP	15 49 56.4	-0.6
BO01		eS	Sn	15 50 12.7	-1.5
BO01	Tunca	1.14 216	eP	15 49 56.7	-1.3
BO01		eS	Sn	15 50 14.0	-0.3
BO01		IAML		15 50 15.3	
comp=Z,2µm,0.3s					
VA01	Torpederas	1.24 291	Pn	15 49 58.4	+0.3
VA01	Torpederas	1.24 291	eP	15 49 58.7	+0.7
VA01		eS	Sn	15 50 15.8	-0.4
VA01		IAML		15 50 23.1	
comp=E,5µm,0.1s					
VA01	Torpederas	1.24 291	eP	15 49 58.8	+0.8
VA01		eS	Sn	15 50 17.7	+1.5
VA01		IAML		15 50 22.2	
comp=Z,1µm,0.2s					
VA06	Catapilco	1.25 316	Pn	15 49 58.0	-0.2
VA06	Catapilco	1.25 316	eP	15 49 58.4	+0.1
VA06		eS	Sn	15 50 16.4	-0.1
VA06		IAML		15 50 16.9	
comp=N,12µm,0.4s					
BO02	Sierra Bellavi	1.38 198	Pn	15 49 59.5	-0.2
BO02	Sierra Bellavi	1.38 198	eP	15 49 59.7	-0.1
BO02		i S	Sn	15 50 17.3	-1.9
BO02		IAML		15 50 20.9	
comp=N,3µm,0.3s					
BO02	Sierra Bellavi	1.38 198	eP	15 49 59.7	-0.1
BO02		eS	Sn	15 50 20.3	+1.0
BO02		IAML		15 50 21.2	
comp=N,1µm,0.2s					
BO03	Pichilemu	1.73 234	eP	15 50 03.1	-0.7
BO03		eS	Sn	15 50 24.7	-1.8
BO03		IAML		15 50 26.8	
comp=N,1µm,0.2s					
GO05	Hualane	2.06 221	eP	15 50 07.0	-0.9
GO05		eS	Sn	15 50 31.6	-2.3
RTCV	Cerro Valdivia	2.17 43	eP	15 50 23.6	+1.4
RTCV		IAML		15 51 20.9	
comp=Z,373nm,1.8s					
ZON	Zonda	2.35 35	Pn	15 50 11.7	-0.1
ML02	Panimavida	2.47 202	Pn	15 50 12.3	-0.9
ML02	Panimavida	2.47 202	eP	15 50 13.2	0.0
ML02		eS	Sn	15 50 43.2	0.0
ML02		IAML		15 50 46.9	
comp=Z,280nm,0.4s					
RTLL	Cerro Villucun	2.63 36	eP	15 50 16.0	+0.7
RTLL		eS	Sn	15 50 48.0	+1.0
CO03	El Pedregal	2.65 352	Pn	15 50 16.1	+0.3
CO03	El Pedregal	2.65 352	eP	15 50 16.8	+1.0
CO03		eS	Sn	15 50 48.5	+0.8
CO03		IAML		15 50 51.8	
comp=E,926nm,0.4s					
CO03	El Pedregal	2.65 352	eP	15 50 16.2	+0.5
CO03		eS	Sn	15 50 43.2	-4.6
CO03		IAML		15 50 50.1	
comp=Z,540nm,0.4s					
BI02	San Fabin de	3.28 194	Pn	15 50 23.3	-0.7
CO01	Juntas del Tor	3.49 3	Pn	15 50 28.0	+1.1
CO01	Juntas del Tor	3.49 3	eP	15 50 23.3	-3.4

CO01		eS	Sn	15 51 21.5	+1.4
CO01		IAML		15 51 21.7	
comp=Z,147nm,0.2s					
CO05	La Serena	3.64 347	Pn	15 50 27.8	-0.9
CO05	Las Campanas	4.47 355	Pn	15 50 39.3	-0.7
CO05	Las Campanas	4.47 355	eP	15 50 35.8	-4.4
CO05		eS	Sn	15 51 24.9	-6.2
CO05		IAML		15 51 25.2	
comp=Z,216nm,0.2s					
AC06	Mina Casimiro	6.10 359	Pn	15 51 00.9	-1.0
AC02	Mariquina	6.69 9	Pn	15 51 09.3	-1.0
PLCA	Paso Flores	7.25 182	Pn	15 51 12.5	-4.8
AC01	Pan de Azucar	7.31 358	Pn	15 51 15.4	-2.9
TRQA	Tornquist	8.14 126	Pn	15 51 27.4	-2.1
GO02	Miná Guanaco	8.31 4	Pn	15 51 29.2	-2.8
EFI	East Falkland	20.24 158	P	15 54 00.1	+0.1
EFI		IAMB		15 54 11.0	
comp=Z,30nm,1.1s					
SNA4	Sanae	51.52 158	P	15 58 29.4	+1.7
SNA4		IAMB		15 58 31.1	
comp=Z,6.4nm,1.1s					
TEIG	Tepich	56.10 340	P	15 59 02.2	+0.6
QSPA	South Pole Qui	56.76 180	P	15 59 07.0	+1.1
QSPA		IAMB		15 59 10.5	
comp=Z,1.8nm,0.9s					

PRU 25 15:52:06.4,51°39N,16°15E, h0km, Poland

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
CHVC	Chvalec	0.81 184	Op	ISC	h m s	ISC
CHVC		0.81 184	eP	Pg	15 52 21.2	-0.6
CHVC		0.81 184	eS	Sg	15 52 32.1	-0.1
OSTG	Ostas	0.84 177	eS	Sg	15 52 33.5	+0.3
UPC	Udice	0.89 186	eP	Pg	15 52 23.2	-0.2
UPC			eS	Sg	15 52 35.0	+0.1
9.9nm,0.4s						
DPC	Dobruska-Polom	1.05 174	eS	Sg	15 52 39.5	-0.5
PVCC	Panska Ves	1.32 230	eP	Pg	15 52 30.0	-1.7
PVCC			eS	Sg	15 52 48.2	-0.6
14nm,0.4s						
KRLC	Kraliky	1.38 163	eS	Sg	15 52 49.5	-1.1
3.1nm,0.4s						
BRG	Berggiesshubel	1.48 250	Pg	Sg	15 52 32.2	-2.1
BRG			Sg	Sg	15 52 52.0	-2.0
BRG			Amp		15 52 52.9	
comp=Z,4.0nm,0.5s						
STEB	Steborice	1.79 144	eS	Sn	15 53 01.8	-0.1
KHC	Kasperske Hory	2.80 217	eS	Sg	15 53 34.6	-1.7

NAO 25 15:52:01.4, 39°63N, 15°33E, h33km, mb3.2
 PDG 25 15:52:06.2, 0.1, 38°59N, 15°47E, h220km, 1km, ML3.9/12,
 Error ellipse: s-maj=0.7km s-min=0.9km az=0.0
 MOS 25 15:52:06.5, 0.9, 38°57N, 15°17E, h220km, mb4.0/8, Error
 ellipse: s-maj=10.2km s-min=5.3km az=67.8
 NEIC 25 15:52:07.5, 2.1, 38°64N, 0°08, 15°27E, 0°08, h216km, 6km,
 mb4.5/17, Error ellipse: s-maj=11.9km s-min=8.8km
 az=158.0
 ROM 25 15:52:07.5, 0.2, 38°63N, 0°01, 15°43E, 0°03, h216km, 2km,
 ML3.8/123, Error ellipse: s-maj=2.3km s-min=0.9km
 az=117.0
 IDC 25 15:52:09.0, 1.0, 38°75N, 15°15E, h223km, 10km, mb3.5/20,
 mbmp4.0/26, Error ellipse: s-maj=12.7km s-min=11.2km
 az=173.0
 ISC 25 15:52:07.3, 0.5, 38°69N, 0°05, 15°31E, 0°05, h210km, 4km,
 n238, r154/269, mb4.0/29, 17C-35D, Sicily

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
IST3	Stromboli F	0.13 330	Op	ISC	h m s	ISC
IST3			Pn	Pn	15 52 36.3	+1.6
IST3			AML			
comp=N,1995µm,0.5s						
IST3			AML	AML		
comp=E,2050µm,0.8s						
IST3			AML	AML		
comp=E,2051µm,0.8s						
IST3			AML	AML		
comp=N,1412µm,0.2s						
ISTR	Stromboli Gino	0.14 316	P	Pn	15 52 36.0	+1.3
LLI	Lipari	0.38 230	P	Pn	15 52 36.9	+1.7
LLI			AML	AML		
comp=E,6910µm,0.5s						
LLI			AML	AML		
comp=N,9605µm,0.5s						
LLI			AML	AML		
comp=N,9605µm,1.5s						
LLI			AML	AML		
comp=E,6909µm,0.5s						
LLI			AML	AML		
comp=N,9601µm,0.5s						
IVGP	Vulcano Grotta	0.40 223	P	Pn	15 52 36.3	+1.0
MILZ	Milazzo	0.42 189	eP	Pn	15	

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BKI, KBTR, KBG, TUMD, KRKR, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like AC02, AC06, AC04, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WFTS, MNHN, SIUC, etc.

IDC 25 17:25:14.0,8.7, 18'91Sx174.34W, h0km, mb3.9/4, mbtmp3.9/4, Error ellipse: s-maj=227.5km

s-min=91.6km az=28.0, Tonga Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like STKA, ASAR, WRA, QSPA.

IDC 25 17:34:12.6, 1.7, 19'36Sx169.40E, h224km, 16km, mb3.5/7, mbtmp4.0/9, Error ellipse: s-maj=30.8km

s-min=15.3km az=156.0, Vanuatu Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MLO2, PTAB, BOAV, etc.

IDC 25 17:34:15.5, 19'39S:169.41E, h175km, MLV3.B/14, Vanuatu Islands

ISC 25 17:34:11.2, 0.7, 19'37S:0.05x169.50E:0.09, h200km, n24, s=29.0/23, mb3.6/7, Vanuatu Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DVP, WRA, QSPA, SONM, NVAR, ILAR, etc.

IDC 25 17:34:15.5, 19'39S:169.41E, h175km, MLV3.B/14, Vanuatu Islands

ISC 25 17:34:11.2, 0.7, 19'37S:0.05x169.50E:0.09, h200km, n24, s=29.0/23, mb3.6/7, Vanuatu Islands

NOU 25 17:34:15.5, 19'39S:169.41E, h175km, MLV3.B/14, Vanuatu Islands

ISC 25 17:34:11.2, 0.7, 19'37S:0.05x169.50E:0.09, h200km, n24, s=29.0/23, mb3.6/7, Vanuatu Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DVP, WRA, QSPA, SONM, NVAR, ILAR, etc.

IDC 25 17:40:55.7, 0.4, 15'08S:71.46W, h150km, mb4.9, NEIC 25 17:40:55.6, 2.6, 15'31S:0.07x71.70W, h138km, 5km, mb4.8/118, Error ellipse: s-maj=12.3km

s-min=9.1km az=62.0, RSNC 25 17:40:55.9, 2.2, 15'51S:10'7.2W:1'0, h144km, M4.9, mb5.4, mb5.2, Mw(mb)4.8, Hypocentre not reviewed by the ISC

IDC 25 17:40:56.7, 0.6, 15'11S:71.32W, h143km, 5km, mb4.1/116, mbtmp4.6/17, MS3.4/2, Error ellipse: s-maj=16.7km

s-min=10.1km az=63.0, ISC 25 17:40:54.9, 0.4, 15'21S:0.04x71.53W:0.05, h138km, 3km, h138km, pP-P, n241, s=1943/241, mb4.7/77, 5D, Southern Peru

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JANB, TMAB, LLO1, MDP, etc.

IDC 25 17:40:55.7, 0.4, 15'08S:71.46W, h150km, mb4.9, NEIC 25 17:40:55.6, 2.6, 15'31S:0.07x71.70W, h138km, 5km, mb4.8/118, Error ellipse: s-maj=12.3km

s-min=9.1km az=62.0, RSNC 25 17:40:55.9, 2.2, 15'51S:10'7.2W:1'0, h144km, M4.9, mb5.4, mb5.2, Mw(mb)4.8, Hypocentre not reviewed by the ISC

IDC 25 17:40:56.7, 0.6, 15'11S:71.32W, h143km, 5km, mb4.1/116, mbtmp4.6/17, MS3.4/2, Error ellipse: s-maj=16.7km

s-min=10.1km az=63.0, ISC 25 17:40:54.9, 0.4, 15'21S:0.04x71.53W:0.05, h138km, 3km, h138km, pP-P, n241, s=1943/241, mb4.7/77, 5D, Southern Peru

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WFTS, MNHN, SIUC, etc.

VAO 25 17:40:55.7, 0.4, 15'08S:71.46W, h150km, mb4.9, NEIC 25 17:40:55.6, 2.6, 15'31S:0.07x71.70W, h138km, 5km, mb4.8/118, Error ellipse: s-maj=12.3km

s-min=9.1km az=62.0, RSNC 25 17:40:55.9, 2.2, 15'51S:10'7.2W:1'0, h144km, M4.9, mb5.4, mb5.2, Mw(mb)4.8, Hypocentre not reviewed by the ISC

IDC 25 17:40:56.7, 0.6, 15'11S:71.32W, h143km, 5km, mb4.1/116, mbtmp4.6/17, MS3.4/2, Error ellipse: s-maj=16.7km

s-min=10.1km az=63.0, ISC 25 17:40:54.9, 0.4, 15'21S:0.04x71.53W:0.05, h138km, 3km, h138km, pP-P, n241, s=1943/241, mb4.7/77, 5D, Southern Peru

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PB18, AP01, LPAZ, etc.

VAO 25 17:40:55.7, 0.4, 15'08S:71.46W, h150km, mb4.9, NEIC 25 17:40:55.6, 2.6, 15'31S:0.07x71.70W, h138km, 5km, mb4.8/118, Error ellipse: s-maj=12.3km

s-min=9.1km az=62.0, RSNC 25 17:40:55.9, 2.2, 15'51S:10'7.2W:1'0, h144km, M4.9, mb5.4, mb5.2, Mw(mb)4.8, Hypocentre not reviewed by the ISC

IDC 25 17:40:56.7, 0.6, 15'11S:71.32W, h143km, 5km, mb4.1/116, mbtmp4.6/17, MS3.4/2, Error ellipse: s-maj=16.7km

s-min=10.1km az=63.0, ISC 25 17:40:54.9, 0.4, 15'21S:0.04x71.53W:0.05, h138km, 3km, h138km, pP-P, n241, s=1943/241, mb4.7/77, 5D, Southern Peru

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like COYC, NBLA, RPN, etc.

VAO 25 17:40:55.7, 0.4, 15'08S:71.46W, h150km, mb4.9, NEIC 25 17:40:55.6, 2.6, 15'31S:0.07x71.70W, h138km, 5km, mb4.8/118, Error ellipse: s-maj=12.3km

s-min=9.1km az=62.0, RSNC 25 17:40:55.9, 2.2, 15'51S:10'7.2W:1'0, h144km, M4.9, mb5.4, mb5.2, Mw(mb)4.8, Hypocentre not reviewed by the ISC

IDC 25 17:40:56.7, 0.6, 15'11S:71.32W, h143km, 5km, mb4.1/116, mbtmp4.6/17, MS3.4/2, Error ellipse: s-maj=16.7km

s-min=10.1km az=63.0, ISC 25 17:40:54.9, 0.4, 15'21S:0.04x71.53W:0.05, h138km, 3km, h138km, pP-P, n241, s=1943/241, mb4.7/77, 5D, Southern Peru

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BGU, ULM, ULM, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like SFJD, DY2G, ISOG, YKA, UMMG, ICESG, UPNV, BOSHA, KULLO, SUMG, NEEM, A36M, DAG, ASAR, WRA, ZALV, KURBB, MAZK, MK31, MKAR, FITZ, MTN, UTRK, MJAR, MAJO, MJBS, ULN, SONM, KSRS, KSAR.

NEIC 25 17:51:44.8-0.7, 36.218N, 0.009-97.58W, 0.01, h5km, 1km, ML2.4/18, ML2.5/63, ML2.9/30, Error ellipse: s-maj=2.7km s-min=1.5km az=251.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like OK029, CROK, BCOK, ADOK, BLOK, OK031, OK051, OK052, QUOK, KAN13, KAN14, KAN17, KAN18, KAN09, KAN05, KAN01, DEOK, FNO, KAN08, CSTR, KAN12, NOKA, W35A.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like W35A, ELIS, WMOK, R32A, WFTS, APMT, MIAR, DKNS, RTBA, X40A, FEAR, LCAR, N38A, PBM0, JCT, PEBM, CGM3, SDCO.

SOF 25 18:02:26.8, 41.94N, 0.01-23.14E, 0.01, h20km, 2km, MD2.7/5

SKO 25 18:02:26.6, 41.97N, 23.16E, h28km, ML2.0

BE0 25 18:02:28.9, 0.3, 41.94N, 23.14E, h0km, ML2.1/4

ISC 25 18:02:27.8, 0.8, 41.94N, 0.02-23.16E, 0.02, h16km, 5km, n27, o56752, 4C-1D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters.

IDC 25 18:07:31.5-1.9, 32.51S, 71.59W, h0km, mbtmp3.4/1, ML3.8/1, Error ellipse: s-maj=153.0km s-min=41.5km az=97.0

SJA 25 18:07:33.2-0.6, 32.63S, 71.78W, h18km, 1km, ML3.6, MW3.6

GUC 25 18:07:35.2, 0.8, 32.63S, 71.78W, h33km, 5km, ML3.7

ISC 25 18:07:34.1, 1.3, 32.70S, 0.02-71.78W, 0.04, h12km, 8km, n60, c151195, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like VA01, VA06, ROCH, MT02, CO04, VA05, PEL, VA03, W35A.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like VA03, MT05, MT05, MT10, MT01, MT01, MT14, MT14, MT09, MT16, MT16, MT03, MT03, MT03, FCH, FCH, MT12, MT12, MT12, MT04, MT04, MT04, BO04, MT13, MT13, MT13, MT08, MT08, MT08, MT08, MT08, LME1, LME1, LME1, BO01, BO01, BO01, BO03, CO03, CO03, CO03, BO02, BO02, BO02, GO05, GO05, RTCV, ZON, ZON, ZON, ML02, ML02, ML02, CO01, CO01, CO01, RTLL, RTLL, LCO, LCO, AC04, AC04, PLCA, BBOE, BBOE, BBOE, FITZ, BVAR, AAK, KURBB, ZALV, MKAR, DJA 25 18:14:47.8-0.5, 5.4, -13.0E, h172km, 8km, M3.6/11, mb3.4/2, ML3.7/11, Banda Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters.

25d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FAKI, NLAI, KMPI, KMAI, Sorong, Sanana.

IDC 25 18:15:48.1±1.9, 101.51S±118.83E, h0km, mb3.7/2, mbtmp3.7/6, ML3.3/4, Error ellipse: s-maj=69.0km s-min=22.5km az=48.0

DJA 25 18:15:54.2±1.1, 101.50S±119.91E, h18km, M3.8/8, mb4.0/2, MLV3.7/7

ISC 25 18:15:54.9±1.0, 101.47S±119.12E±0.05, h41km, n15, r1534/20, Sumba region

Main table for 25d 19h section, listing station codes (WBSI, WSI, BANI, etc.) and their corresponding data.

CATAC 25 18:29:48.1±0.7, 13°N±4°8'W±1, h29km, M3.8/30, MLV3.8/30, Error ellipse: s-maj=10.0km s-min=3.5km az=22.5, confirmed

GCG 25 18:29:48.7±0.8, 12.76N±88.53W, h80km, M3.8/42, Hypocenter not reviewed by the ISC

ISC 25 18:29:48.9±1.5, 12.74N±88.38W±0.04, h35km, n55, r0553/60, Off coast of central America

Main table for 25d 19h section, listing station codes (ALJI, RANC, RANC, etc.) and their corresponding data.

IDC 25 18:32:39.8±2.0, 37.13N±97.40W, h0km, mbtmp3.3/3, ML3.8/2, Error ellipse: s-maj=24.3km s-min=12.6km az=105.0

NEIC 25 18:32:40.8±0.6, 37.06N±102.97W±0.01, h4km, M2km, mb_Lg3.4/13, ML3.8/45, Mw3.3/1 (SLM), Error ellipse: s-maj=2.5km s-min=1.5km az=207.0

NEIC 25 18:32:40.8±0.7, 37.06N±97.36W, h3km, Moment Tensor Solution. Moment tensor: Scale 10^14Nm; Mw=0.05; Mho=1.01; Mho=0.97; Mho=1.06; Mho=0.20; Mho=2.3; Fault plane solution: Mo=1.05000x10^14 Np1=0.231, 0.00000°, 0.85, 0.00000°, -1.65, 0.00000°. NP2=0.140, 0.00000°, 0.75, 0.00000°, -1.5, 0.00000°. Principal axes: T 1.0466, P1g7.0000°, Azm5.0000°; P -1.0468, N1g4.0000°, Azm97.0000°; S -1.0468, N1g4.0000°, Azm97.0000°

ISC 25 18:32:40.7±0.8, 37.06N±103.97W±0.02, h12km, M3.8/42, n115, r1901/96, Kansas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KAN13, KAN13, KAN13, KAN09.

2019 JAN

Main table for 2019 JAN section, listing station codes (KAN09, KAN17, BLOK, etc.) and their corresponding data.

1480

Main table for 1480 section, listing station codes (237A, POST, OGNB, etc.) and their corresponding data.

IDC 25 19:03:13.5±8.7, 20.96S±177.32W, h291km, 55km, mb3.4/4, mbtmp4.0/5, Error ellipse: s-maj=112.5km s-min=34.6km az=129.0

ISC 25 19:03:02.2±1.8, 22.23S±107.176E±0.3, h200km, n9, r238/11, mb3.7/4, South of Fiji Islands

Main table for 1480 section, listing station codes (MSVF, URZ, URZ, etc.) and their corresponding data.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OK031, OK031, OK031, OK052, OK052, OK052, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, RUS Russkaya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANWB Willy Bob, ANWB, ANWB, etc.

ISC 25 19:20:03.6:0.9, 13.63N:124.84E, h0km, mb3.9/9, mbmp4.0/10, ML4.6/1, MS3.0/3, Error ellipse: s-maj=42.3km s-min=15.5km az=62.0

NEIC 25 19:20:04.4:2.1, 13.67N:10.125:0E:0.1, h10km, 1km, mb4.4/17, Error ellipse: s-maj=25.6km s-min=13.7km az=63.0

ISC 25 19:20:07.0:0.8, 13.62N:10.10:124.9E:0.1, h33km, n36, o589/32, mb4.1/17, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TGy Tagaytay City, DAV Davao City (W), DAV Davao City (W), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11N2 WAKE ISLAND Hy 40.60, H11N3 WAKE ISLAND Hy 40.62, HNAO Narrogin (SRO), etc.

IDC 25 19:29:29.2:3.2, 7.68S:146.56E, h0km, mb3.6/1, mbmp3.6/2, ML3.4/1, Error ellipse: s-maj=61.1km s-min=38.5km az=56.0, Eastern New Guinea region

PMG Port Moresby 1.82 161 Pn Pn 19 30 00.5 -1.3

WRA Wangarua Arr 17.00 231 Pn Sn 19 33 30.0 -0.6

ASAR Alice Springs 20.01 216 P P 19 34 03.4 -0.3

TORD Torodi Arr. Bea 14.05 282 PKPbc PKPbc 19 49 09.0 -0.1

NNC 25 19:31:20.3:5.8, 42.87N:79.00E, h0km, mpv2.0, Error ellipse: s-maj=36.8km s-min=17.8km az=144.0

SOME 25 19:31:19.3, 43.33N:77.77E, h15km, Lake Issyk-Kul region

SATY Saty 0.54 120 Op Pn 19 31 29.6 -0.4

MDOk Mdoke 0.55 252 eP Sg 19 31 29.0 -1.3

MDOk Mdoke 0.9n,0.2s 0.67 244 eP Pn 19 31 31.6 -0.9

TNSs Tian-Shan 0.1m,0.1s 0.78 211 eS Sg 19 31 40.4 -1.0

KPKS Kokpek 0.68 78 P P 19 31 31.5 -1.2

KPKS Kokpek 0.68 78 eP Sg 19 31 31.3 -1.4

KPKS Kokpek 0.2m,0.1s 0.94 101 eS Sg 19 31 40.0 -1.7

UzB Uzunbulak 0.94 101 Pn Sb 19 31 26.1 -1.1

UzB Uzunbulak 1.2m,0.1s 0.51 203 P Sb 19 31 30.8 -1.9

NOU 25 19:40:41.7, 19.26S:168.51E, h0km, mb4.8/34, Vanuatu Islands

MOS 25 19:40:42.6:1.0, 19.19S:168.59E, h57km, mb5.1/18, Error ellipse: s-maj=10.6km s-min=9.3km az=43.7

NEIC 25 19:40:42.2:1.2, 19.1S:0.1:168.61E:0.10, h38km, 5km, mb5.0/80, Error ellipse: s-maj=16.9km s-min=11.0km az=41.0

BuJi 25 19:40:43.8, 18.52S:168.78E, h45km, mb5.2/17, mb4.8/41, MS4.9/2, MS7.4/53

IDC 25 19:40:43.9:2.0, 19.21S:168.57E, h54km, 18km, mb4.4/23, mbmp4.7/26, ML5.2/3, MS4.1/27, Error ellipse: s-maj=14.9km s-min=11.6km az=102.0

GCMT 25 19:40:44.2:0.3, 19.19S:0.02:168.50E:0.02, h44km, 1km, MW5.1/61, Moment Tensor Solution. s61.c78: s55.c77; Duration: 0 Moment tensor: Scale 10^18N/m; Mr4.77±.19; Mw-0.94±.14; Mw-3.83±.12; Mw-0.67±.14; Mw1.96±.10; Mw-0.16±.15; Best double couple: M4.844000*10^16

NFZ 15161.000000; 345.000000; 1.101.000000; NPZ: 345.000000; 345.000000; 1.79.000000; Principal axes: T 4.8650, P1g82.0000, Azm160.0000; N 1.0.0000, P1g85.0000, Azm333.0000; P -4.8230, P1g1.0000, Azm63.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 25 19:40:42.8:0.4, 19.21S:0.04:168.65E:0.06, h44km, 3km, h44km:pp-P, n499, o1933/467, mb4.9/88, MS4.1/26, 4C-20D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DVP Devils Point, MARNC Mare, Loyalty, YATNC Mamie plateau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SAVO Savo Central, AUWSh Waveli State H, OUZ Omaha, etc.

CTA Charters Tower 21.11 264 P P 19 45 28.6 +4.7

CTA Charters Tower 21.11 264 P P 19 45 28.8 -1.1

CTA Charters Tower 21.11 264 P P 19 45 28.8 -1.1

KWHZ Kaweka Forest 21.24 163 P P 19 45 28.9 +3.8

KRHZ Kereru 21.43 164 P P 19 45 31.2 +4.0

PNHZ Pukenui 21.64 164 P P 19 45 31.7 +2.3

KAHZ Kahurangi 21.71 164 P P 19 45 34.3 +4.1

QRZ Queen Range 21.80 172 P P 19 45 35.8 +4.7

DVHZ Dannevirke 21.99 165 P P 19 45 35.7 +2.6

TKNZ Takaka Hill 22.06 171 P P 19 45 32.2 -1.7

PRHZ Porangahau 22.08 164 P P 19 45 38.1 +4.0

MHZ Mangaihinaka R 22.19 166 P P 19 45 37.1 +1.8

OGWZ Otaki George 22.25 174 P P 19 45 37.4 +2.5

NNZ Nelson 22.31 171 P P 19 45 39.1 +2.6

BFZ Birch Farm 22.37 165 P P 19 45 38.6 +1.3

MRNZ Matariki Terra 22.39 172 P P 19 45 36.3 -1.2

HOWZ Holdsworth Sta 22.40 166 P P 19 45 39.4 +1.8

DSZ Dennis North 22.62 174 P P 19 45 43.1 +3.5

MTW Mount Morrison 22.65 166 P P 19 45 41.6 +1.5

THZ Tophouse 22.77 172 P P 19 45 41.4 -0.1

THZ Tophouse 22.77 172 P P 19 45 47.2

THZ Tophouse 22.77 172 P P 19 45 43.6 +2.0

MSWZ Moikau Station 22.84 167 P P 19 45 43.5 +1.3

PAWZ Paruruai Farm 22.84 167 P P 19 45 43.1 +0.8

MTSU Mount Surprise 23.08 269 P P 19 45 47.5 +2.6

KHZ Kahutara 23.50 171 P P 19 45 48.8 +0.1

KHZ Kahutara 23.50 171 P P 19 45 51.2

KHZ Kahutara 23.50 171 P P 19 45 49.0 +0.3

INZ Inchbonnie 23.56 175 P P 19 45 49.7 +0.4

INZ Inchbonnie 23.56 175 P P 19 45 50.6 +1.4

QLP Oulipie 23.64 247 P P 19 45 53.4 +3.2

LTZ Lake Taylor 23.70 173 P P 19 45 51.5 +0.9

LTZ Lake Taylor 23.70 173 P P 19 45 53.3

LTZ Lake Taylor 23.70 173 P P 19 45 51.9 +1.3

WVZ Waitaha Valley 23.86 176 P P 19 45 54.1 +2.1

25d 19h

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LTZ, INZ, OXZ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MTN, MTK, FAKI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KKM, AFDM, YSS, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like M20K Styx River, L19K White Mountain, SUA Sunita One, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like M26K Nabesna, G17K Kivalik Moun, YUK3 Moose Creek, etc.

Table with columns: ID, Name, Date, Time, Status, Location, etc. Includes entries like TOAD Toad River Com, 833A Chaparral WMA, C17K Delong Moun, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TMTI Ternate, SGTI Sangihe, LKMI Labuha, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WMQ comp=Z,9.0nm,1.5s, PETK Petropavlovsk, MK31 Makanchi Array, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like D24K Happy Valley, E25K Arctic Village, BMAR Burnt Mountain, etc.

NNC 25:19:49:12.0:29.0,36:88N:71.30E,h0km,mb3.5,mpv3.1, Error ellipse: s-maj=291.4km s-min=198.7km az=154.0

KOLA 25:06:09.2,67.69N:33.75E,h0km,ML1.5,Error ellipse: s-maj=4.8km s-min=3.2km az=130.0,Khibiny, mines

IDA 25:20:32.2:0.7,38:53N:27:23E,h0km,mb3.8/1.1, mbmp3.9/23,ML3.8/8,MS3.2/12, Error ellipse: s-maj=12.1km s-min=10.6km az=113.0

Main table containing flight data with columns for flight number, airline, origin, destination, departure time, arrival time, status, and other details. The table is organized into multiple columns for readability.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like RDMU Red Mountain, P17A Butcher Ranch, PFO Pinyon Flats, etc.

NEIC 25 21:29:36.4 ± 1.2, 47.607N, 0.010-121.79W, 0.02, h10km, Error ellipse: s-maj=2.1km s-min=1.7km az=66.0 SEA 25 21:29:37.2 ± 1.6, 47.62N, 0.01-121.77W, 0.02, h13km, 2km, ML2.0/17, ML2.1/40(NEIC), Error ellipse: s-maj=1.8km s-min=1.5km az=60.0, Washington

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like C05A Toit Reservoir, TTW Toit Reservoir, ELW Echo Lake, etc.

Table with columns: CLRS, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like D08A Wollman Farm, F07A Phinny Hill V, C09A Chrisman Ranch, etc.

IDC 25 21:43:06.2 ± 0.8, 30.46S, 177.79W, h0km, mb4.5/4, mbmtpl 5/4, M53.4/1, Error ellipse: s-maj=33.7km s-min=12.8km az=90.0 NEIC 25 21:43:07.8 ± 2.4, 30.50S, 0.08-177.6W, 0.2, h10km, 2km, mb4.6/11, Error ellipse: s-maj=26.6km s-min=12.3km az=97.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

IDC 25 21:43:30.6 ± 1.4, 44.45S, 170.30E, h612km, 21km, mb3.2/14, mbmtpl 4/16, Error ellipse: s-maj=27.0km s-min=15.5km az=145.0 NEIC 25 21:43:31.1 ± 1.6, 44.45S, 170.30E, 0.1, h620km, 11km, mb4.1/49, Error ellipse: s-maj=20.9km s-min=19.1km az=101.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like MSVF Nonsavu, MSVF Nonsavu, DZM Mont Dzumac, etc.

Table with columns: AS31 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, etc.

IDC 25 21:49:20.7 ± 1.7, 54.89N, 164.78E, h0km, mb3.4/8, mbmtpl 3/9, ML2.2/1, Error ellipse: s-maj=47.6km s-min=18.3km az=167.0 KRSC 25 21:49:22.0 ± 1.1, 54.89N, 164.81E, h48km, 27km, M13.7 ISC 25 21:49:23.8 ± 0.8, 54.94N, 0.07-164.85E, 0.05, h20km, 8km, n28, ±131/35, mb3.5/8, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Includes stations like BBOO Buckleboe, MTN Mtsu-Tunnel, KNRA Kunurra, etc.

Table with columns: SRDR, Sredinnyy, ESO, UGLR, AVH, KRK, KOK, PETK, etc. Includes station names, coordinates, and time/res data.

NEIC 25 22:55:12.5E:2.3,34.61N:0.03:96.25W:0.04,h5km,6km, Error ellipse: s-maj=5.4km s-min=4.1km az=131.0

NEIC 25 21:55:10.8E:1.5,34.52N:0.03:96.27W:0.03,h5km,2km, ML2.4/3,ML2.6/8, Error ellipse: s-maj=5.0km s-min=2.6,Okonomi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like W35A, DEOK, OK052, etc.

NEIC 25 22:19:07.5:0.9,6.19S:0.09:148.3E:0.1,h44km,11km, mb4.1/13, Error ellipse: s-maj=15.9km s-min=11.5km az=64.0

IDC 25 22:19:08.1:7.6,6.12S:148.38E,h78km,64km,mb3.6/1, mbmp3.8/3,ML3.9/1,MS2.4/2, Error ellipse: s-maj=117.0km s-min=53.7km az=114.0

ISC 25 22:19:08.1:0.9,6.15S:0.1:148.3E:0.1,h65km,n20, c098/20,mb4.3/4, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG, KRVT, RABL, etc.

NAO 25 22:53:21.4,37.09N:21.74E,h10km,mb3.5, IDC 25 22:53:23.0,1.0,37.74N:20.74E,h0km,mb3.8/11, mbmp3.8/4km s-maj=16.1km az=16.0

ATH 25 22:53:24.1,1.376N:20.65E,h13km,1km,ML3.9/4, Error ellipse: s-maj=2.5km s-min=0.9km az=39.0

NEIC 25 22:53:25.0:2.2,37.64N:0.05:20.71E:0.07,h10km,2km, mb4.0/5, Error ellipse: s-maj=11.4km s-min=6.1km az=231.0

THE 25 22:53:24.8,37.66N:20.71E,h0km,3km,ML3.9/4, Error ellipse: s-maj=3.8km s-min=0.9km az=227.0

PDG 25 22:53:24.0:0.2,37.80N:20.71E,h14km,2km,ML4.0/4, Error ellipse: s-maj=2.3km s-min=1.3km az=90.0

Table with columns: CLEM, VLS, VLS, VLS, VLS, VLS, etc. Includes station names like Valsamata, Samh, etc.

NEIC 25 22:53:25.0:2.2,37.64N:0.05:20.71E:0.07,h10km,2km, mb4.0/5, Error ellipse: s-maj=11.4km s-min=6.1km az=231.0

THE 25 22:53:24.8,37.66N:20.71E,h0km,3km,ML3.9/4, Error ellipse: s-maj=3.8km s-min=0.9km az=227.0

PDG 25 22:53:24.0:0.2,37.80N:20.71E,h14km,2km,ML4.0/4, Error ellipse: s-maj=2.3km s-min=1.3km az=90.0

ISC 25 22:53:24.4:0.9,37.89N:0.03:20.66E:0.03,h12km,5km, n142,1563/169,mb3.8/13,MS3.4/7,9C-4D,Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUR, KALE, EVR, etc.

NEIC 25 22:53:25.0:2.2,37.64N:0.05:20.71E:0.07,h10km,2km, mb4.0/5, Error ellipse: s-maj=11.4km s-min=6.1km az=231.0

THE 25 22:53:24.8,37.66N:20.71E,h0km,3km,ML3.9/4, Error ellipse: s-maj=3.8km s-min=0.9km az=227.0

PDG 25 22:53:24.0:0.2,37.80N:20.71E,h14km,2km,ML4.0/4, Error ellipse: s-maj=2.3km s-min=1.3km az=90.0

ISC 25 22:53:24.4:0.9,37.89N:0.03:20.66E:0.03,h12km,5km, n142,1563/169,mb3.8/13,MS3.4/7,9C-4D,Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MATE, PUK, ULJC, etc.

Table with columns: LESA, WTTA, WTTA, WATA, FUORN, SQTA, FETA, MOTA, MOTA, VRAC, DAVOX, DAVOX, TUE, RETA, GERES, MMAI, SENIN, EIL, AKASG, GNI, ESCD, HFS, HFS, EKA, FINES, FINES, NB2, NOA, NOA, TORD, ARCES, BVAR, BVAR, KKAR, KURBB, MK31, MK31, MKAR, MKAR, ZAAO, ZAAO, ZALV, ZALV, FRB, TSUM, TIXI, SONM, BOSI, BOSI, etc.

RHSSO 25 22:54:03.2:0.6,43.90N:20.19E,h5km,ML1.8/6, BEO 25 22:54:04.1:0.3,43.91N:20.17E,h1km,3km,ML1.5/7, ISC 25 22:54:03.4:1.1,43.90N:0.02:20.17E:0.02,h3km,15km, n19,c197/34,2C-2D,Northwestern Balkan Peninsula

NEIC 25 22:53:25.0:2.2,37.64N:0.05:20.71E:0.07,h10km,2km, mb4.0/5, Error ellipse: s-maj=11.4km s-min=6.1km az=231.0

THE 25 22:53:24.8,37.66N:20.71E,h0km,3km,ML3.9/4, Error ellipse: s-maj=3.8km s-min=0.9km az=227.0

PDG 25 22:53:24.0:0.2,37.80N:20.71E,h14km,2km,ML4.0/4, Error ellipse: s-maj=2.3km s-min=1.3km az=90.0

ISC 25 22:53:24.4:0.9,37.89N:0.03:20.66E:0.03,h12km,5km, n142,1563/169,mb3.8/13,MS3.4/7,9C-4D,Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DIVS, DIVS, IVAS, IVAS, GRUS, GRUS, etc.

NEIC 25 22:53:25.0:2.2,37.64N:0.05:20.71E:0.07,h10km,2km, mb4.0/5, Error ellipse: s-maj=11.4km s-min=6.1km az=231.0

THE 25 22:53:24.8,37.66N:20.71E,h0km,3km,ML3.9/4, Error ellipse: s-maj=3.8km s-min=0.9km az=227.0

PDG 25 22:53:24.0:0.2,37.80N:20.71E,h14km,2km,ML4.0/4, Error ellipse: s-maj=2.3km s-min=1.3km az=90.0

ISC 25 22:53:24.4:0.9,37.89N:0.03:20.66E:0.03,h12km,5km, n142,1563/169,mb3.8/13,MS3.4/7,9C-4D,Ionian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DIVS, DIVS, IVAS, IVAS, GRUS, GRUS, etc.

Table with 5 columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PNTA, PVV, PSIA, S12K.

RSNC 26:02:00:46.6, 0.5, 3.5, S4.7, 7W, h0km, M3.2, mB4.6, mb4.0, ML3.0, Mw(MB)3.8

IGC 26:02:00:56.7, 0.3, 2.2, S7.7, 7W, h1h0km, MLV3.7/23

ISC 26:02:00:52.5, 1.6, 2.0, S7.7, 7W, h16W, 0.05, h8km, 12km, n78, c0.98/96, 3C-1ZD, Peru-Ecuador border region

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists numerous stations like PUYO, SANGA, ATEN, etc.

IDC 26:02:07:19.5, 2.9, 10.90'S, 166.06'E, h33km, 20km, mb4.9/26, mbtmp5.0/27, ML3.0/1, MS5.0/61, Error ellipse: s-maj=15.5km s-min=10.7km az=126.0

0s147.34000°, 844.80000°, 187.07000° NP2: 0s331.46000°, 845.28000°, 192.90000° Principal axes: T 4.1897, Plg8.0000°, Azm323.0000°, N 0.4891, Plg2.0000°, Azm149.0000°; P -4.6789, Plg0.0000°, Azm59.0000°

NEIC 26:02:07:21.8, 2.1, 10.84'S, 165.98'E, h0.09, h36km, 4km, mb5.6/388, Ms. 20.5, 4.485, Mw5.7/21 Error ellipse: s-maj=12.9km s-min=11.0km az=60.0

NEIC 26:02:07:21, 10.82'S, 166.03'E, h46km N0U 26:02:07:22.9, 10.82'S, 165.89'E, h46km, ML5.7/146, Santa Cruz Islands

IPG 26:02:07:23.0, 10.87'S, 165.95'E, h46km, Mw5.7, Fault plane solution: NP1: 0.158, 0.0000°, 841.00000°, 110.00000°; NP2: 0.325, 0.0000°, 850.00000°, 181.00000°

GCMT 26:02:07:23.8, 0.1, 10.96'S, 165.69'E, 0.01, h46km, Mw5.7/157, Moment Tensor Solution. s157, c299; s149, c306; Duration: 188 Moment tensor: Scale 1017 Nm; Mw: 4.90; Ms: 0.74; M0: 0.74; M1: 0.03; M2: 0.03; Best double couple: Ms: 0.2500; NP1: 0.164, 0.00000°, 844.00000°, 110.00000°; NP2: 0.327, 0.00000°, 847.00000°, 179.00000°

Principal axes: T 5.0900, Plg62.0000°, Azm164.0000°; N 0.0310, Plg8.0000°, Azm335.0000°; P -5.0410, Plg1.0000°, Azm66.0000°; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

ISC 26:02:07:21.9, 0.2, 10.91'S, 165.94'E, 0.03, h48km, 11km, h48km; PP-P, N1388, c183/41227, mb5.5/323, MS5.4/335, 77C-44D, Santa Cruz Islands

Main station list table for the right side with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists numerous stations like LUES, HURO, VLAKA, etc.

Main station list table for the right side with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Res, ISC. Lists numerous stations like MGCD, WCZ, JAY, RIV, etc.

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Table with columns: CTT, CTT, CTT, Chita, 77.14 330, eP, P, 02 19 10.8 +0.4, 02 19 17.8, etc.

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Table with columns: GTA, Gaotai, 79.10 314, P, P, 02 19 22.8 +1.1, 02 19 36.3 +0.7, etc.

26d 2h

Table with columns: F18K, Selavik, 81.30 13, P, P, 02 19 32.9 +0.2, TRF, Thorfare Moun, 81.33 18, IAMS_20, IAMS_20, 02 49 06.2, etc.

26d 2h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like HDA Harding Lake, COLA College, and many others.

2019 JAN

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like OZB Mount Ozzard, J04A Umpqua Lake, and many others.

1500

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like TIXI Tiksi, J29N Klondike Camp, and many others.

1505

Table with columns: NR/K, Station Name, Azimuth, Elevation, Phase, Time, Residual, etc. Includes stations like Noril'sk, Buocovina Ar, Kolonic sedl, etc.

IDC 26 03:28:01.8, 3.3, 61.59N, 27.64W, h0km, mb3.3/4, mblmp3.4/5, ML3.5/1, Error ellipse: s-maj=76.6km s-min=27.0km az=163.0, lceland region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, etc. Includes stations like Borgarnes, Yellowknife Ar, etc.

ROM 26 03:33:19.9, 0.0, 42.922N, 0.002, 13.111E, 0.004, h11km, ML2.5/2, 4C-2D, Error ellipse: s-maj=0.3km s-min=0.1km az=74.0, Central Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, etc. Includes stations like Monte Cornacci, Monte Fema, Norcia, etc.

2019 JAN

Main table with columns: Station Name, Azimuth, Elevation, Phase, Time, Residual, etc. Includes stations like SAN MARTINO, Monte Mariano, Arrone, etc.

IDC 26 03:40:17.9, 3.9, 36.24N, 70.69E, h163km, 31km, mb3.5/13, mblmp4.1/18, Error ellipse: s-maj=27.3km s-min=17.8km az=177.0

NEIC 26 03:40:22.6, 1.1, 36.50N, 0.07, 70.7E, 0.1, h193km, 7km, mb4.2/8, Error ellipse: s-maj=11.7km s-min=9.7km az=102.0

NCC 26 03:40:25.7, 1.9, 36.84N, 70.73E, h196km, 19km, mb3.5, mp4.7, Error ellipse: s-maj=17.5km s-min=10.0km az=25.0

Table with columns: Station Name, Azimuth, Elevation, Phase, Time, Residual, etc. Includes stations like Chuyangaron, Garm, Simiganj, etc.

2619 3h

Table with columns: Station Name, Azimuth, Elevation, Phase, Time, Residual, etc. Includes stations like Chuyangaron, Garm, Simiganj, etc.

Table with columns: ZAAO, ZALV, ARTI, PZH, SONM, HHC, HHC, HHC, AKASG, NRK, FIA1, FINE, HFS, CLL, NC45, NB2, NOA, TIXI, SPITS, TORD, ILAR, YKA, ASAR. Each row contains station name, time, and other details.

BER 26:03:42:53.4 1.3, 74:30N-9:28E, h23km, 43km, mb(Pn)3.6, Confirmed Earthquake, Greenland Sea. Table with columns: Code, Station Name, Az, Op, ISC, Time, Res.

MOS 26:03:51:36.8 1.0, 6:94S-156:21E, h359km, mb5.8/4.1, MS5.3; Error ellipse: s-maj=7.4km s-min=5.1km az=114.6

NEIC 26:03:51:37.9 2.5, 7:01S, 0:08W-156:32E, h355km, 1km, mb5.7/5.14, Mw6.2/6.5, Mw6.2/4.1, Error ellipse: s-maj=14.4km s-min=11.2km az=40.0, Moment Tensor Solution...

IDC 26:03:51:37.2 0.3, 7:05S-156:29E, h357km, 2km, mb5.4/2.8, mbmp6.1/32 Error ellipse: s-maj=8.1km s-min=6.8km az=91.0

BUI 26:03:51:37.7, 7:00S-156:27E, h370km, mb5.7/7.8, mb5.6/100

NEIC 26:03:51:38.1, 7:02S-156:27E, h358km IPGP 26:03:51:38.0, 7:02S-156:29E, h367km, Mw6.2, Fault plane solution: NP1... Azm169.00000...

NEIC 26:03:51:38.1, 7:02S-156:27E, h360km, Moment Tensor Solution: Duration: 6.4 Moment tensor: Scale 1019Nm; M1-1.5; M2-0.83; M3-0.52; M4-2.04; M5-0.21...

NEIC 26:03:51:37.5 0.2, 7:08S-156:25E, 0:03, h265km, 1km, h366km-pP-P, N1864, c1845/2087, mb5.7/443, 77C-74D, Bougainville-Solomon Islands region

Main table listing seismic stations with columns: Station Name, Time, Res, and various parameters like Az, Op, ISC, etc.

Main table listing seismic stations with columns: Station Name, Time, Res, and various parameters like Az, Op, ISC, etc.

Table with columns: DAV, S, S, 04 02 39.4 -2.3, etc. Lists various locations and their coordinates.

Table with columns: JJCJ, Chichijima, 36.60 339 P, etc. Lists various locations and their coordinates.

Table with columns: JAGI, Jajag, Banyuwa, 41.72 265 P, etc. Lists various locations and their coordinates.

26d 3h

Table with columns for station call letters, name, frequency, and various signal quality indicators (P, S, ScP, etc.). Includes stations like Marumori, Kiritimat, Saityo, Macquarie Isla, etc.

2019 JAN

Table with columns for station call letters, name, frequency, and various signal quality indicators. Includes stations like MYKOM, KIP, KIP, KIP, KSI, PPT, PPT, PPT, etc.

1508

Table with columns for station call letters, name, frequency, and various signal quality indicators. Includes stations like USA0B, USRK, USRK, USRK, USRK, USRK, etc.

26d 3h

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1510

Table with columns for station ID, name, elevation, and forecast data. Includes stations like JALPAIGURI, Mekoryuk, and various locations in Alaska and the Yukon.

Table with columns for station ID, name, elevation, and forecast data. Includes stations like Stony River, Unalakleet, and various locations in the Yukon and Alaska.

Table with columns for station ID, name, elevation, and forecast data. Includes stations like Nagpur, Anotleneega Mo, and various locations in the Yukon and Alaska.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Date, Time, and other details. Includes entries like BUCK Buck Mountain, BBG Big Mountain B, WISH Wis kah, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Date, Time, and other details. Includes entries like W13A Hualapai Mount, PSUT Pine Spring, KNB Kanal, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Date, Time, and other details. Includes entries like BELG, 435B Jarell, MAK Jarell, etc.

26d 4h

Table with columns: LPAZ, La Paz, 130.32 118 eP, PKPpdf, 04 10 05.5 -1.2, etc. Lists various stations and their frequencies.

2019 JAN

Table with columns: MTE, PCBR, Castelo Branco, 144.26 338 eSKPbc, etc. Lists various stations and their frequencies.

1514

Table with columns: CMCO1, Camacan, BA, 152.78 145 PKP, PKPpdf, 04 10 46.1 +0.9, etc. Lists various stations and their frequencies.

SJA 26 04:49:53.0, 7.0, 23:16S:67:74W, h189km, 4km, ML3.4, MW3.4, etc. Additional station information and coordinates.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KBZ, FINES, YKA, AKASG.

IDC 26:05:51.40:52.4, 37.23N:20.60E, h0km, mb3.7/6, mbmp3.6/10, ML3.6/3, Error ellipse: s-maj=41.9km s-min=23.2km az=178.0

THE 26:05:51.44:4, 37.63N:20.67E, h8km, mb3.5/7, Error ellipse: s-maj=3.0km s-min=0.4km az=49.0

ATH 26:05:51.44:3, 37.60N:20.66E, h13km, mb3.6/16, Error ellipse: s-maj=2.8km s-min=1.1km az=33.0

ISC 26:05:51.44:8.1, 37.66N:0.04:20.66E:0.03, h12km, 5km, n05, c16173, mb3.8/6, Ionian Sea

Main table for 26d 7h with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like LTHK, ORTH, KIPS, RTZL, PSDA, VLS, SMHA, DMLN, RLS, FSK, AMT, DRO, EVGI, LK2D, TSLSK, KLV, ANX, KALE, TETR, MAKR, IGT, AXAR, JAN, KEK, OHR, SOKA.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like OBKA, BRKA, BRTR, LESA, WATA, FETA, MOTA, AKASG, HFS, FINES, NOA, KURBB, MKAR, ZALV.

IDC 26:06:02:07:5.1, 6.35:65N:78.00E, h0km, mb3.8/6, mbmp3.7/10, ML3.7/4, Error ellipse: s-maj=38.3km

NNC 26:06:02:08:0:2.8, 35.58N:78.13E, h0km, mb3.6, mpv3.8, Error ellipse: s-maj=25.7km s-min=1.8km az=174.0

ISC 26:06:02:12:1.1, 3.35:65N:0.1:78.2E:0.1, h32km, n16, c127/19, mb3.7/6, 5C-1Z, Eastern Kashmir

Main table for 26d 07:12:32.5:2.4, 67N:156.35E, h30km, 38km, MI4.0, East of Kuril Islands. Includes stations like AAK, PDGK, KK31, MK31, MKAR, BVA0, ZALV, AB31, SONM, ARTI, CMAR, FINES, ARCES, YKA.

NEIC 26:06:20:59.9:1.1, 38.83N:0.003:97.45W:0.03, h5km, 2km, mb_Lg2.8/72, Error ellipse: s-maj=5.7km s-min=3.5km az=328.0, Kansas

Main table for NEIC 26:06:20:59.9:1.1, 38.83N:0.003:97.45W:0.03, h5km, 2km, mb_Lg2.8/72, Error ellipse: s-maj=5.7km s-min=3.5km az=328.0, Kansas. Includes stations like KSU1, R32A, KAN12, KAN11, KAN08, KAN09, KAN01, KAN05, KAN17, KAN13, KAN14, BLOK, CROK, OK051, N35A, OK038, EGNE, OK052, OK031, OK029, P30A, DSKA, TUL3, L34A, CSTR, US3A, OKCSW, S38A, FNO, OGN, WMOK, P40A, SMWD, MGMO, CCM, EROS, FCAR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MIAR, T42A, N41A, X40A, T25A, UALR, DKNS, APMT, PBMO, WLAR, CGM3, MSTX, SN05, SIUC, POST, N23A, NATX, JCT.

KRSC 26:07:12:32.5:2.4, 67N:156.35E, h30km, 38km, MI4.0, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SKR, RUS, GRL, KRM, DAL, UGLR, AVH, KRY, KRX, GAN, KBTR.

NEIC 26:07:21:53.7:0.8, 35.78N:0.003:105.66W:0.06, h4km, 5km, mb_Lg2.6/35, ML2.9/34, Error ellipse: s-maj=7.9km s-min=1.2km az=118.0, New Mexico

Main table for NEIC 26:07:21:53.7:0.8, 35.78N:0.003:105.66W:0.06, h4km, 5km, mb_Lg2.6/35, ML2.9/34, Error ellipse: s-maj=7.9km s-min=1.2km az=118.0, New Mexico. Includes stations like ANMO, T25A, SDCO, Y22D, RTBA, MVCO, MVCO, MSTX, AMTX, 121A, X18A, POST, DKNS, WUAZ, SN07, X16A, VHRN, MNHN, SRU, APMT, APMT, AGMT, ALPN, WMOK, ABTX, KNB, OZNA, SAND, PLPT.

JMA 26:07:23:28.0:0.1, 24.4N:0.4:121.8E:0.6, h65km, 1km, MV3.4/15, TAIWAN REGION

TAP 26:07:23:28.8:24.38N:121.78E, h56km, ML3.8, B

ISC 26:07:23:29.3:1.2, 24.38N:0.02:121.81E:0.02, h56km, 4km, n149, c1909/268, 21C-11D, Taiwan

Main table for JMA 26:07:23:28.0:0.1, 24.4N:0.4:121.8E:0.6, h65km, 1km, MV3.4/15, TAIWAN REGION. Includes stations like EWUT, EAHA, EANA, EASO, TWC, NDS, ETL, NACB, NACB, NATG, DATONG, LATG, ENT, ENT, ETLH, TWD, TWE, EOS2, ILLA.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like NNSB Datong, NNSB Nan Shan, Fushanzhiwuyua, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like WRL Guolierlin Hig, WCKO Fanlu, WTKO Tuku, etc.

Station information and coordinates for stations like IDC 26 07:48:45, NEIC 26 07:48:54, and GUC 26 07:48:55.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like CO05 La Serena, CO03 El Pedregal, CO01 Juntas del Tor, etc.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like MT02 comp=Z,118nm,0.3s, MT05 Renca, ASAL Salagasta, etc.

Station information and coordinates for stations like AEIC 26 07:56:22, NEIC 26 07:56:21, and H112 WAKE ISLAND.

Table with columns: Station Name, Time, Res, and other parameters. Includes stations like MOS 26 08:12:45, IDC 26 08:12:46, and RSNP 26 08:12:48.

Table with columns: TOO, comp, Z, 14um, 19.0s, 33.60 163, P, P, 08 19 29.0 +0.5, etc. Includes entries for Toolangi, Spotswood, Mel, Hong Kong Po S, Padang Panjang, Quanzhou, etc.

Table with columns: CNSH, ChangSha, 39.12 330, P, S, 08 20 16.0 +0.3, etc. Includes entries for WAKE ISLAND Hy, WAKE ISLAND Hy, WAKE ISLAND Hy, etc.

Table with columns: TIA, comp, Z, 3um, 8.0s, LR, LR, 08 20 59.0 -0.9, etc. Includes entries for PanZhiHua, Nonsavu, Dalian, etc.

26d 8h

Table with columns: ICAO, Name, Altitude, Frequency, Mode, and other flight details. Includes entries for Beijing, Vladivostok, SAIH, SAIHA, Great Barrier, etc.

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Table with columns: ICAO, Name, Altitude, Frequency, Mode, and other flight details. Includes entries for Matarangi, Ternei, Matarangi, etc.

1520

Table with columns: ICAO, Name, Altitude, Frequency, Mode, and other flight details. Includes entries for Afiamalu, Sahibganj, Hakmana, etc.

TROLL	Troll, Antarti	96.46 194	↑P	P	08 26 17.3 +0.3
P33M	Teslin, Yukon	96.47 30	P	P	08 26 17.6 +0.5
VSLR	Vesolye	96.52 313c	iP	Pmax	08 26 17.6 -0.1
VSLR	comp=Z,155nm,1.2s				
WRAK	Wrangell Islan	96.73 34	P	P	08 26 18.2 -0.1
SOC	Sochi	96.76 313	eP	P	08 26 15.6 -3.1
SOC	ePPP			PKP	08 32 14.2
SOC	eS			SKSac	08 36 52.3 -1.5
SOC	eSS			SS	08 44 12.6 -1.5
SOC	eSSS			SSS	08 47 58.1
SOC	comp=Z,26nm,0.7s			Pmax	
SOC	MLR			MLR	
Q32M	Nakina River	96.76 31	P	P	08 26 18.7 +0.1
KLMR	Klimovskoe	96.91 331	eP	P	08 26 16.6 -2.4
KLMR	e			S	08 30 12.0
KLMR	S			SKSac	08 36 53.7 -0.1
KLMR	Pmax			Pmax	
VORD	Divnogorie	97.12 321	eP	P	08 26 18.7 -1.5
VORD	Pmax			Pmax	
V35K	Ketchikan	97.15 35	P	P	08 26 19.9 -0.2
VORR	Voronezh	97.18 321	eP	P	08 26 19.0 -1.4
VORR	Pmax			Pmax	
VSR	Storozhevoje	97.20 321	eP	P	08 26 18.9 -1.6
VSR	Pmax			Pmax	
LPSR	Galich'ya Gora	97.34 322	eP	P	08 26 20.2 -0.9
LPSR	Pmax			Pmax	
S34M	Telegraph Cree	97.38 32	P	Pdf	08 26 21.4 +0.2
S34M	Iamb			Iamb	08 26 23.3
S34M	comp=Z,54nm,1.0s				
S34M	Telegraph Cree	97.38 32	P	P	08 26 21.1 0.0
R33M	Jennings River	97.42 31	P	Pdf	08 26 21.9 +0.3
T35M	Bob Quinn	97.88 33	P	Pdf	08 26 23.8 +0.3
SNA4	Sanae	97.91 193	↑P	Pdf	08 26 24.2 +0.8
SNA4	comp=Z,656nm,1.0s				
SNA4	Sanae	97.91 193	P	P	08 26 23.6 +0.1
SNA4	comp=Z,30nm,1.0s,baz=105,slow=3.8,SNR=14			LR	09 09 34.9
SNA4	Sanae	97.91 193c	iP	Pdf	08 26 24.3 +0.8
SNA4	Pmax			Pmax	
DLBC	Dease Lake	97.94 32	P	Pdf	08 26 24.4 +0.5
DLBC	Iamb			Iamb	08 26 25.8
DLBC	Dease Lake	97.94 32	P	P	08 26 23.6 -0.2
DLBC	comp=Z,31nm,1.0s,baz=271,slow=4.0,SNR=28			LR	09 11 44.7
DLBC	Dease Lake	97.94 32	P	Pdf	08 26 23.9 0.0
DLBC	comp=Z,31nm,1.0s				
DLBC	Dease Lake	97.94 32	P	Pdf	08 26 23.9 0.0
DLBC	comp=Z,272,SNR=13				
U35K	Hyder	98.04 34	IAMS_20	IAMS_20	09 02 09.5
U35K	Hyder	98.04 34	P	Pdf	08 26 24.2 0.0
U35K	comp=Z,2um,20.0s				
MOS	Moscow	98.05 325	eP	P	08 26 22.0 -2.2
MOS	e				08 30 20.6
MOS	Pmax			Pmax	
MOS	comp=Z,76nm,1.3s			Pmax	
MOS	Pmax			Pmax	
GRNB	Granville Isla	98.15 37	IAMS_20	IAMS_20	09 03 23.6
ANN	Anapa	98.41 314	eP	P	08 26 24.4 -1.7
ANN	ePPP			PKP	08 26 27.0 +0.9
ANN	eS			SKSac	08 37 02.3 +0.1
ANN	Pmax			Pmax	
WTLY	Watson Lake, Y	98.49 30	Pdf	Pdf	08 26 26.4 +0.2
A36M	Sachs Harbour	98.65 18	P	P	08 26 25.8 -0.8
A36M	Sachs Harbour	98.65 18	Pdf	P	08 26 25.7 -0.8
OBN	Obninsk	98.67 325	P	P	08 26 26.9 -0.1
OBN	comp=Z,14nm,0.4s,baz=52,slow=2.4,SNR=11				
OBN	Obninsk	98.67 325c	iP	P	08 26 26.3 -0.7
OBN	ePPP			PKP	08 30 28.4
OBN	iS			SKSac	08 32 34.1
OBN	eS			SS	08 37 01.5 -1.5
OBN	eSSS			SSS	08 44 49.9 +4.6
OBN	Pmax			Pmax	08 48 32.8
OBN	comp=Z,112nm,1.6s				
OBN	MLR			MLR	
APA	Apapaty	99.08 338	iP	Pdf	08 26 25.7 -2.9
BBB	Bella Bella	99.33 38	IAMS_20	IAMS_20	09 09 25.0
BBB	Bella Bella	99.33 38	P	P	08 26 30.3 +0.3
BBB	comp=Z,27nm,0.7s,baz=284,slow=2.5,SNR=5.7				
HOLB	Holberg	99.39 40	IAMS_20	IAMS_20	09 07 54.9
VNA2	Neumayer-Watz	99.44 192	↑P	Pdf	08 26 31.0 +0.8
C36M	Paulatuk	99.55 21	P	Pdf	08 26 29.0 -1.2
C36M	Iamb			Iamb	08 26 30.8
C36M	Paulatuk	99.55 21	Pdf	Pdf	08 26 29.4 -0.8
VNA3	Neumayer Olymp	99.65 191	↑P	Pdf	08 26 31.7 +0.6
MMAI	Mount Meron Ar	100.04 302	P	Pdf	08 26 34.6 +0.8
MMAI	comp=Z,9.3nm,1.0s,baz=111,slow=3.2,SNR=4.0			PKKPbc	08 42 53.3 0.0
TOAD	Toad River Com	100.41 31	Pdf	Pdf	08 26 34.0 -0.8
WRGLY	Wrigley	100.68 27	Pdf	Pdf	08 26 35.7 -0.1
SIM	Simferopol'	100.76 315	eP	Pdf	08 26 35.9 -0.7
SIM	eS			Sdf	08 30 43.7
SIM	Pmax			Pmax	08 38 09.0 -3.5
SIM	comp=Z,98nm,1.2s			Pmax	
SIM	comp=Z,139nm,17.2s			smax	smax
SIM	comp=E,203nm,20.1s			MLR	MLR
KOTAN	Kotanelele Air	100.85 30	Pdf	Pdf	08 26 36.5 -0.2
SPITS	Spitsbergen Ar	100.88 349	P	Pdf	08 26 35.7 -0.8
SPITS	comp=Z,31nm,1.0s,baz=110,slow=7.2,SNR=10.0			PKKPbc	08 42 50.2 -1.9
KIRS	Kirschir-Merke	101.15 309	↑P	Pdf	08 26 39.0 +0.4
CBB	Campbell River	101.20 40	IAMS_20	IAMS_20	09 06 45.8
BRI04	Keskin Array S	101.34 309	P	Pdf	08 26 39.3 -0.2
BRI13	Keskin Array S	101.34 309	↑P	Pdf	08 26 39.5 0.0
BRTR	Keskin Array B	101.34 309	P	Pdf	08 26 38.8 -0.8
BRTR	comp=Z,7.4nm,1.0s,baz=107,slow=4.3,SNR=22			PKKP	08 31 03.4 -0.5
BRTR	comp=Z,5.9nm,1.0s,baz=154,slow=4.0,SNR=5.9			PKKPbc	08 42 49.1 -0.7
BRI06	Keskin Array S	101.36 309	P	Pdf	08 26 39.4 -0.2
ARCES	ARCES Array B	101.54 340	P	Pdf	08 26 39.2 -0.4
ARCES	comp=Z,29nm,0.9s,baz=81,slow=4.6,SNR=45			PKKP	08 31 03.6 +0.4
ARCES	comp=Z,8.0nm,0.8s,baz=95,slow=1.3,SNR=10				

ARCES	comp=Z,8.3nm,0.9s,baz=343,slow=1.3,SNR=11			PKKPbc	08 42 46.9 -3.1
CLRS	Cowichan Lake	102.11 41	IAMS_20	IAMS_20	09 06 56.0
SOE	Somerset East	102.17 235	IAMS_20	IAMS_20	09 04 16.4
NLWA	Neilton Lookou	102.42 43	IAMS_20	IAMS_20	09 05 20.8
WISH	Wishkah	102.51 43	IAMS_20	IAMS_20	09 07 14.8
PGC	Sidney	102.58 42	IAMS_20	IAMS_20	09 07 19.3
F03A	Seaside	102.77 44	IAMS_20	IAMS_20	09 08 53.7
JCC	Jacoby Creek,	102.82 50	IAMS_20	IAMS_20	09 10 02.9
KSBX	Camp Six Broad	102.87 48	IAMS_20	IAMS_20	09 15 20.7
COR	Corvallis	103.07 46	IAMS_20	IAMS_20	09 11 06.8
L02F	Cave Junction	103.08 48	IAMS_20	IAMS_20	09 14 25.4
F04D	Rainier, OR	103.13 44	IAMS_20	IAMS_20	09 09 03.4
KCPM	Cahto Peak	103.24 51	IAMS_20	IAMS_20	09 14 53.1
FINES	FINESS Array B	103.30 332	Pdf	Pdf	08 26 46.3 -1.2
FINES	comp=Z,30nm,1.1s,baz=100,slow=5.7,SNR=22			PKKP	08 31 07.4 +0.8
FINES	comp=Z,12nm,0.9s,baz=103,slow=4.1,SNR=6.6			PKKPbc	08 42 42.8 -1.8
LLBL	Lillooet	103.36 39	IAMS_20	IAMS_20	09 08 04.8
BOSA	Boshof	103.44 239	Pdf	Pdf	08 26 49.4 +0.3
BOSA	comp=Z,5.2nm,1.0s,baz=110,slow=4.3,SNR=3.9			PKKPbc	08 42 43.3 +0.1
AK10	Malin Array Si	103.50 321	P	Pdf	08 26 47.6 -1.1
AKASG	Malin Array Be	103.51 321	Pdf	Pdf	08 26 47.6 -1.1
AKASG	comp=Z,2.7nm,0.5s,baz=70,slow=3.9,SNR=26			PKKP	08 31 06.8 -0.5
AKASG	comp=Z,7.0nm,0.9s,baz=73,slow=3.2,SNR=8.5			PKKPbc	08 42 43.9 +0.2
AKB	Malin Array Si	103.52 321	P	Pdf	08 26 47.5 -1.2
KIEV	Kiev	103.52 321	IAMS_20	IAMS_20	09 08 57.4
KIEV	Kiev	103.52 321	↑P	Pdf	08 26 48.0 -0.7
KIEV	Kiev	103.52 321	↑P	Pdf	08 26 48.0 -0.7
KIEV	SNR=7.1			Pdf	08 26 46.8 -1.9
KIEV	Kiev	103.52 321	P	Pdf	08 26 47.3 -1.4
AK16	Malin Array Si	103.59 321	P	Pdf	08 26 47.7 -1.3
PURM	Purcar	103.59 316	↑P	Pdf	08 26 48.7 -0.5
HOPS	Hopland Field	103.68 51	IAMS_20	IAMS_20	09 16 51.8
D05A	Enumclaw	103.71 43	IAMS_20	IAMS_20	09 04 53.6
MNK	Minsk	103.73 325	iP	Pdf	08 26 48.8 -0.8
MNK	comp=E,20nm,0.8s			Pdf	08 26 48.8 -0.8
MNK	comp=N,31nm,0.9s			Pdf	08 26 48.8 -0.8
MNK	comp=Z,32nm,0.9s,baz=80			PP	08 31 04.5 -1.8
MNK	PPP			PPP	08 33 16.4
MNK	SS			SS	08 45 53.2 +2.6
MNK	SSS			SSS	08 49 49.9
MNK	SKKSdf			SKKSdf	08 49 59.6 -2.3
MNK	LQ			LQ	09 08 22.2
MNK	LR			LR	09 13 48.2
MNK	LRM			LRM	09 17 17.5
MNK	comp=E,682nm,18.8s			LRM	09 17 33.0
MNK	comp=N,2um,21.9s			LRM	09 18 00.2
MNK	comp=Z,1um,21.8s			Pdf	08 26 48.8 -0.8
MNK	Minsk	103.73 325	iP	Pdf	08 31 04.4
MNK	PPP			PPP	08 33 16.3
MNK	SS			SS	08 45 53.1 +2.5
MNK	SSS			SSS	08 49 49.9
MNK	comp=E,20nm,0.8s			Pmax	Pmax
MNK	comp=N,31nm,0.9s			Pmax	Pmax
YBH	Yreka Blue Hor	103.75 49	IAMS_20	IAMS_20	09 09 57.2
YBH	Yreka Blue Hor	103.75 49	Pdf	Pdf	08 26 50.9 +0.8
MILM	Milestii Mici	104.27 317	eP	Pdf	08 26 51.0 -1.2
MILM	comp=Z,30nm,1.0s			Pmax	
MILM	Milestii Mici	104.27 317	eP	Pdf	08 26 51.0 -1.2
MILM	comp=Z,30nm,1.0s			Pmax	
SORM	Soroca	104.42 318	↑P	Pdf	08 26 52.2 -0.6
SORM	Soroca	104.42 318	↑P	Pdf	08 26 52.2 -0.6
SORM	Soroca	104.42 318	↑P	Pdf	08 26 52.2 -0.6
M12B	M12B, Pidiybu	104.45 321	P	Pdf	08 26 51.9 -1.0
LUBAR	Lubar, Ukraine	104.55 320	P	Pdf	08 26 52.3 -1.0
HATC	Hat Creek Radi	104.77 49	IAMS_20	IAMS_20	09 12 34.4
YKA	Yellowknife Ar	104.80 27	Pdf	Pdf	08 26 54.0 -0.1
YKA	comp=Z,14nm,1.0s,baz=120,slow=4.9,SNR=107			PKKP	08 31 09.4 +0.1
YKA	comp=Z,0.7nm,0.5s,baz=274,slow=2.2,SNR=19			PKKPbc	08 42 38.5 -1.6
PINE	Pine Mountain	104.84 46	IAMS_20	IAMS_20	09 12 33.9
TIRR	Tirgusor	104.85 314	↑P	Pdf	08 26 55.1 +0.3
TIRR	Tirgusor	104.85 314	↑P	Pdf	08 26 55.1 +0.3
WLDI	WLDI	104.85 314	↑P	Pdf	08 26 55.9 +0.8
MXC	Moxie City	104.94 43	IAMS_20	IAMS_20	09 11 39.2
E07A	Sunnyside	105.25 43	IAMS_20	IAMS_20	09 11 12.3
F07A	Philly Hill Vi	105.29 44	IAMS_20	IAMS_20	09 10 14.5
B08A	Colville Reser	105.33 41	IAMS_20	IAMS_20	09 11 26.2
RNPP8	RNPP8	105.47 322	P	Pdf	08 26 57.1 -0.3
HAWA	Hanford	105.49 43	IAMS_20	IAMS_20	09 11 28.7
RNPP8	Varash	105.51 322	P	Pdf	08 26 58.0 +0.5
RNPP8	Staryi Korty	105.51 322	P	Pdf	08 26 57.6 +0.1
KMPD	K-Podolitskiy	105.61 319	P	Pdf	08 26 58.5 -1.5
PABE	Paberze	105.74 326	IAMS_20	IAMS_20	09 07 44.0
TESR	Tescani	105.80 317	↑P	Pdf	08 26 58.7 -0.3
D08A	Wollman Farm,	105.81 43	IAMS_20	IAMS_20	09 09 10.0
I07A	Izeze	105.83 46	IAMS_20	IAMS_20	09 14 52.1
VRI	Vrincioaia	105.85 316	↑P	Pdf	08 26 58.6 -0.6
VRI	Vrincioaia	105.85 316	↑P	Pdf	08 26 58.5 -0.6
VRI	Vrincioaia	105.85 316	↑P	Pdf	08 26 58.7 -0.6
PLOR	Plostina	105.90 316	↑P	Pdf	08 26 58.9 -0.6
PLOR	Plostina	105.90 316	↑P	Pdf	08 26 58.9 -0.6
ONER	Baraj Valea Uz	106.00 317	↑P	Pdf	08 27 00.9 +0.0
G08A	Pilot Rock	106.05 45	IAMS_20	IAMS_20	09 11 03.6
C09A	Chrisman Ranch	106.12 42	IAMS_20	IAMS_20	09 09 09.2
COVR	Voineasa-Covas	106.21 316	↑P	Pdf	

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LOHW Long Hollow, PIX Pinacate, MPTU Mount Pierson, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MYKA comp=Z,16m,0.7s, KBA Koelnbreinsper, KBA comp=Z,10m,0.7s, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like AMTX Amarillo, HLMI Long Mynd, NLUK Nuuk, etc.

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Table with columns: Station, Name, Az, El, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like 245A Paducah, MVO Moncorvo, UTMT Gavieira, etc.

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Table with columns: Station, Name, Az, El, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like PAULI Pauline, HODGE Hodges, KMSC Kings Mountain, etc.

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Table with columns: Station, Name, Az, El, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like SALV Santo Antonio, GCPR Guaynabo City, SJG San Juan, etc.

NNC 26 08:15:24.7,0.4, 42.942N;77.94E, h0km,2km, mb3.0, mpv3.5, Error ellipse: s-maj=3.8km s-min=1.2km az=174.0

SOME 26 08:15:25.5, 42.93N;77.92E, h15km

KNET 26 08:15:25.9, 42.82N;77.79E, h7km, 4km, ml2.5, Error ellipse: s-maj=7.0km s-min=3.2km az=140.0

KRNET 26 08:15:25.6, 0.1, 42.91N;77.80E, h2km, mb2.5

ISTC 26 08:15:25.4, 42.93N;77.92E, h11km, gkm, n60, c108/113,25C-17D, Lake Issyk-Kul region

Table with columns: Code, Station, Name, Az, El, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzB, ElB, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like ANVS Ananyevvo, ANVS SATY, SATY, ZHN Zhishe, etc.

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Table with columns for flight codes (e.g., YSS, JAA, JHU2), destinations (e.g., MLR, MFR), times, and status. Includes entries for airlines like Air China, Cathay Pacific, and others.

Table with columns for flight codes (e.g., ZEA, PET, JMW), destinations (e.g., MFR, MLR), times, and status. Includes entries for airlines like Air China, Cathay Pacific, and others.

Table with columns for flight codes (e.g., YHNB, SEY, NACB), destinations (e.g., P, LR), times, and status. Includes entries for airlines like Air China, Cathay Pacific, and others.

QIZ	Qiongzong	34.94	242	P	P	08 29 50.0	+0.2
QIZ				S	S	08 35 19.0	+0.9
QIZ	comp=Z,23nm,1.5s			LR	LR		
QIZ	comp=Z,2um,16.0s			LR	LR		
QIZ	comp=Z,2um,13.8s			LR	LR		
PZH	comp=Z,2um,17.0s			LR	LR		
PZH	comp=Z,80nm,0.6s	36.17	260	P	P	08 30 00.0	-0.5
KMI	comp=Z,660nm,4.7s			pmax	pmax		
KMI	Kunming	36.18	257	P	P	08 30 00.5	-0.2
KMI	comp=Z,110nm,1.1s			pmax	pmax		
KMI	comp=Z,610nm,6.3s			LR	LR		
KMI	comp=Z,3um,14.9s			LR	LR		
KMI	comp=Z,3um,17.7s			LR	LR		
KMI	comp=Z,6um,21.3s			LR	LR		
KMI	Kunming	36.18	257	P	P	08 30 00.8	0.0
SLVN	Son La	37.59	251	I	I	08 30 12.3	-0.2
SLVN	comp=Z,75nm,1.0s			I	I	08 30 14.3	
SLVN	Son La	37.59	251	P	P	08 30 13.0	+0.5
K13K	Kusivak Mount	38.30	38	I	I	08 30 18.0	+0.1
K13K	comp=Z,83nm,1.1s			I	I	08 30 35.8	
ANM	Nome	38.49	33	P	P	08 30 20.6	+1.1
ANM	comp=Z,154nm,1.2s			I	I	08 30 38.8	
ANM	Nome	38.49	33	P	P	08 30 20.6	+1.1
ANM	comp=Z,154nm,1.2s			pmax	pmax		
ANM	comp=Z,154nm,1.2s			MLR	MLR		
M13K	Dail Lake	38.72	40	P	P	08 30 22.5	+1.0
M13K	comp=Z,1um,21.0s			I	I	08 30 40.0	
J14K	Nanvaranak Lak	38.93	36	P	P	08 30 24.1	+0.9
L14K	Kuka Creek	39.15	39	I	I	08 30 25.8	+0.8
L14K	comp=Z,76nm,1.1s			I	I	08 30 56.1	
TNCH	TengChong	39.41	261	P	P	08 30 29.0	+1.1
TNCH	comp=Z,1um,18.7s			pP	pP	08 30 39.5	-1.0
TNCH	comp=Z,280nm,1.0s			sP	sP	08 30 44.0	-2.1
TNCH	comp=Z,1um,18.7s			S	S	08 36 27.5	+1.1
TNCH	comp=Z,280nm,1.0s			pmax	pmax		
TNCH	comp=Z,750nm,4.0s			LR	LR		
TNCH	comp=Z,1um,18.7s			LR	LR		
TNCH	comp=Z,820nm,21.4s			LR	LR		
M14K	Bethel	39.44	40	P	P	08 30 28.1	+0.6
M14K	comp=Z,1um,19.2s			I	I	08 30 45.6	
SGSI	Sanghe	39.46	207	P	P	08 30 28.6	+0.5
K15K	Wolf Creek Mou	39.80	37	P	P	08 30 32.2	+1.7
K15K	comp=Z,81nm,1.1s			I	I	08 30 48.8	
WMQ	Urumqi	40.01	294	P	P	08 30 33.3	+0.7
WMQ	comp=Z,170nm,1.3s			pP	pP	08 30 47.8	+2.5
WMQ	comp=Z,1um,3.7s			pmax	pmax		
WMQ	comp=Z,1um,16.1s			LR	LR		
WMQ	comp=Z,1um,16.1s			LR	LR		
WMQ	comp=Z,2um,16.1s			LR	LR		
WMQ	comp=Z,2um,23.8s			LR	LR		
WMQ	Urumqi	40.01	294	P	P	08 30 33.3	+0.7
WMQ	comp=Z,1um,16.1s			pP	pP	08 30 46.1	+0.9
ZALV	Zalesovo Beam	40.24	310	P	P	08 30 34.4	+0.2
ZALV	comp=Z,76nm,0.6s,baz=93,slow=5.5,SNR=39			PcP	PcP	08 32 37.2	-0.1
ZALV	comp=Z,11nm,0.3s,baz=96,slow=3.4,SNR=8.6			LR	LR	08 48 08.3	
ZALV	Zalesovo Beam	40.24	310	I	I	08 30 34.4	+0.2
ZALV	comp=Z,77nm,0.6s			pmax	pmax		
RDOG	Red Dog Mine	40.31	28	P	P	08 30 35.7	+1.0
N15K	Kwethluk River	40.32	41	I	I	08 30 35.7	+0.9
N15K	comp=Z,151nm,1.1s			I	I	08 30 52.9	
I17K	Unalakleet	40.38	35	P	P	08 30 37.2	+1.9
F17K	Baldwin Pennin	40.57	31	I	I	08 30 37.2	+0.4
F17K	comp=Z,91nm,1.1s			I	I	08 30 57.8	
NR1K	Noril'sk	40.58	334	P	P	08 30 36.9	0.0
NR1K	comp=Z,259nm,1.6s			I	I	08 30 38.8	
NR1K	Noril'sk	40.58	334	P	P	08 30 36.8	0.0
NR1K	comp=Z,25nm,0.5s,baz=105,slow=6.4,SNR=20			LR	LR	08 48 32.9	
NR1K	Noril'sk	40.58	334	P	P	08 30 36.9	0.0
NR1K	comp=Z,25nm,0.5s			pmax	pmax		
M16K	Owhat River	40.71	38	P	P	08 30 38.6	+0.6
M16K	Timber Creek	40.92	40	P	P	08 30 39.3	-0.5
M16K	comp=Z,98nm,1.1s			I	I	08 30 57.6	
DLV	Lat	40.99	236	P	P	08 30 40.8	-0.3
DLV	comp=Z,172nm,1.1s			I	I	08 30 43.8	
DLV	Lat	40.99	236	P	P	08 30 42.6	+1.5
ZSN	Zaisan	41.13	300	eP	eP	08 30 41.7	0.0
ZSN	comp=Z,93nm,1.2s			eS	eS	08 36 51.7	+0.4
ZSN	Zaisan	41.13	300	eP	eP	08 30 41.7	0.0
ZSN	comp=Z,130nm,0.9s			pmax	pmax		
ZSN	Kokwok River B	41.31	42	P	P	08 36 51.8	+0.4
K17K	Iditarod	41.33	37	I	I	08 30 44.0	+1.0
K17K	comp=Z,146nm,1.2s			I	I	08 31 16.5	
KKM	Kota Kinabalu	41.33	221	P	P	08 30 47.5	+3.7
TNTI	Ternate	41.61	203	P	P	08 30 45.5	-0.4
PHRA	Phrae	42.05	251	P	P	08 30 49.1	-0.4
J18K	Innok River	42.10	36	P	P	08 30 49.9	+0.5
TTA	Tatalina	42.39	37	P	P	08 30 51.7	-0.2
TTA	Tatalina	42.39	37	P	P	08 30 51.7	-0.2
TTA	comp=Z,31nm,1.1s			pmax	pmax		
N18K	Kilae Creek	42.41	40	P	P	08 30 53.0	+1.0
N18K	comp=Z,104nm,1.1s			I	I	08 31 10.4	
J19K	Poorman	42.62	35	P	P	08 30 53.6	-0.1
J19K	comp=Z,86nm,1.0s			I	I	08 31 12.3	
LSA	Lhasa	42.63	272	P	P	08 30 55.4	+0.7
JAY	Jayapura	42.65	182	LR	LR	08 48 40.6	
O18K	Koktuh Hills	42.77	41	P	P	08 30 55.6	+0.7
P18K	Big Mountain,	42.77	42	P	P	08 30 55.4	+0.4
ACHA	Angle Creek He	42.78	44	P	P	08 30 55.3	+0.2
CHTO	Chiang Mai	42.78	253	I	I	08 30 55.3	-0.2
CHTO	comp=Z,147nm,1.5s			I	I	08 31 02.2	
CHTO	Chiang Mai	42.78	253	P	P	08 30 55.3	-0.2
CHTO	comp=Z,147nm,1.5s			pmax	pmax		
KMSI	Cibinong	42.89	207	P	P	08 30 56.1	-0.2
MK31	Makanchi Array	42.99	299	eP	eP	08 30 56.7	-0.2
MKAR	Makanchi Array	42.99	299	P	P	08 30 56.9	0.0
MKAR	comp=Z,62nm,0.7s,baz=81,slow=13,SNR=59			LR	LR	08 49 44.5	

CM31	comp=Z,62nm,0.7s			P	P	08 30 57.1	-0.2
CMAR	Chiang Mai Arr	43.01	253	P	P	08 30 57.4	+0.1
CMAR	comp=Z,14nm,0.8s,baz=47,slow=6.4,SNR=33			ScP	ScP	08 36 32.9	-1.2
CMAR	comp=Z,0.7nm,0.3s,baz=22,slow=3.3,SNR=4.1			LR	LR	08 49 12.2	
N19K	Bonanza Creek	43.10	40	P	P	08 30 57.9	+0.2
MAZK	Makanchi	43.19	299	P	P	08 30 58.6	+0.1
MAZK	Makanchi	43.19	299	P	P	08 30 58.5	0.0
MAZK	comp=Z,921nm,20.7s,baz=65,slow=36			pP	pP	08 31 11.6	+0.3
MAZK	comp=Z,14nm,0.8s			sP	sP	08 31 17.3	+0.5
O19K	Port Alsworth	43.20	41	P	P	08 30 59.5	+1.2
J20K	Nowinta River	43.27	35	P	P	08 30 59.7	+0.8
SEM	Semipalatinsk	43.52	305	eP	eP	08 31 00.4	-0.9
SEM	comp=Z,138nm,1.1s			pmax	pmax		
SEM	Semipalatinsk	43.52	305	eP	eP	08 31 00.5	-0.9
SEM	comp=Z,138nm,1.1s			P	P	08 31 01.3	-0.8
TOLIZ	Tolitoli	43.61	212	P	P	08 31 01.9	+0.1
Q19K	Cape Douglas,	43.61	43	I	I	08 31 18.3	
Q19K	comp=Z,124nm,1.1s			I	I	08 31 02.8	-0.3
MRSI	Marisa	43.73	210	P	P	08 31 03.5	+0.4
P19K	Oil Pt	43.78	42	P	P	08 31 03.5	+0.2
ILSW	Iliamna Southw	43.80	41	P	P	08 31 04.5	+1.2
OHAK	Old Harbor	43.95	45	I	I	08 31 21.0	
OHAK	comp=Z,189nm,1.6s			I	I	08 31 07.1	+0.8
CAST	Castle Rocks	44.18	36	P	P	08 31 06.7	-0.3
KDAD	Kodiak Island	44.27	44	I	I	08 31 24.3	
KDAD	comp=Z,174nm,1.1s			I	I	08 31 07.1	+0.1
KDAD	Kodiak Island	44.27	44	P	P	08 31 06.9	-0.2
KDAD	comp=Z,45nm,0.8s,baz=120,slow=4.0,SNR=44			I	I	08 31 23.7	
SYI	Shuyak Island	44.29	43	P	P	08 31 06.9	-0.2
SYI	comp=Z,167nm,0.9s			I	I	08 31 08.6	+0.9
STLK	Strandline Lak	44.36	39	P	P	08 31 08.2	0.5
KURK	Kurchatov	44.47	306	P	P	08 31 09.2	+0.5
KURK	Kurchatov	44.47	306	P	P	08 31 08.4	-0.3
KURK	Kurchatov	44.47	306	P	P	08 31 08.8	-0.1
KURK	Kurchatov	44.47	306	sP	sP	08 31 26.8	-0.1
SKT	Skwentna	44.48	38	P	P	08 31 09.8	+1.0
KURBB	Kurchatov Arra	44.55	306	P	P	08 31 09.2	-0.1
KURBB	comp=Z,197nm,0.7s,baz=81,slow=8.9,SNR=98			LR	LR	08 51 02.5	
KURBB	comp=Z,2um,19.6s,baz=101,slow=36			P	P	08 31 08.6	-0.7
KURBB	comp=Z,197nm,0.7s			P	P	08 31 10.6	+0.5
BPWW	Brady Paw Mtn.	44.66	35	P	P	08 31 13.0	+2.2
SANI	Sanana	44.70	203	P	P	08 31 09.9	-0.9
SANI	Sanana	44.70	203	P	P	08 31 11.3	+0.9
KTH	Kantishna Hill	44.70	36	P	P	08 31 43.5	
KTH	comp=Z,222nm,1.3s			I	I	08 31 10.7	-0.5
CNPM	China Poot	44.80	42	P	P	08 31 28.6	
CNPM	comp=Z,65nm,0.9s			I	I	08 31 15.3	+3.5
LUWI	Luwuk	44.83	208	P	P	08 31 09.3	-2.5
LUWI	Luwuk	44.83	208	P	P	08 31 12.8	+0.3
BR							

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like PFO Pinyon Flats O, TIRR Tirgusor, HOLU Holimets, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like DEV Deva, BRG Bergiesshubel, CLC Colim, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like GECZ GEFESS Array S, GERES GEFESS Array B, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Dourbes, M.te Sabotino, NKME Niksic, G40A Rib Lake, 319A Douglas, 319A comp=Z,95nm,1.1s, 319A comp=Z,2um,21.0s, 319A Black Forest, SKDS Skadanscina, BRY Bratogost, BRY Bratogost, PUK Puka, CIMO Cimolais, PDG Podgorica, PDG Podgorica, PDG Podgorica, CEIME FETA, DSB Dublin, DAVA Damuels, CBKS Cedar Bluff, DRME Dracevica, DRME Dracevica, OHR BUM, EIL Elat, HCY Herczeg Novi, HCY Herczeg Novi, ULC Ulcinj, STON Ston, ECH Echery, HSIG comp=Z,2um,21.0s, TIR Tirane, TIR Tirane, TIR Tirane, FUORN Ofenpass-Fuorn, FUORN comp=Z,1um,19.0s, DAVOX Davos/Dischmat, IGLA Glogowia, APE Apeiranthos, APE Apeiranthos, SRIG Santa Rosalia, N35A Tabor, I404 Norwalk, IWEX Carrickbyrne, TUE Stuetta, E46A Sault Ste Mari, UR3Z Urewera, AMTX Amarillo, MSTA Muleshoe, NOKX N Wayneka, CLF Chambon-Foret, FDMO Fioridimonte, IDI Anoyia, NRCA Norcia, GLMI Grayling, MATE Matera, CAMF Campotosto, ITM Ithomi, L42A Oliver, POLO, OSSC Osservatorio P, PPT Papeete, PPT2 Papeete2, PPT2 comp=Z,3um,22.5s, P38A Dawn, P38A comp=Z,42nm,1.1s, CROK Carrier, CESX Cesi, BNI Bardonecchia, DKNS Dickens, L44A Lake County Fo, TAOE Nuku Hiva Iata, P40A Paris, TIP Timpagrande, TIP Timpagrande, WMOK Wichita Mouta, J47A Summer, OK052 Battle Ridge R, M44A Midewin, Midew, FNO Franklin, L46A Eue Claire, S39A Bolivar, R40A Maddies Statio, R40A comp=Z,37nm,1.0s, W35A Tecumseh, TUL3 Leonard, WTF5 Witchita Falls, WTF5 comp=Z,69nm,1.5s, P43A Skaggs, Panwee, SLBS Sierra La Lagu, RPZ Rata Peaks, U38A Gravette, ABTX Abilene, Hawle, TXAR Lajitas Array, TXAR comp=Z,5.8nm,0.9s, comp=Z,18nm,1.0s, comp=Z,296s,slow=3.4, SNR=11

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Celeste, Mont Tremblant, N Adams, Casca, Cathedral Cave, Cathedral Cave, SLM Saint Louis, SLM Saint Louis, SLM Saint Louis, SFIN Lafayette, HPIG comp=Z,2um,22.0s, MG03 Perrin-Whitt E, FVM French Village, Z35A Perchaven, San F707 Weatherford, T42A Van Buren, OLIL Olney, OLIL comp=Z,59nm,1.1s, BRDY Brady, VAE Valguarnera, SIUC Southern Iljin, FCAR Ozark Folk Cen, BATG Bathurst New B, J55A Hilton, CGM3 Cape Girardeau, PBMO Poplar Bluff, WHTX Lake Whitney, O49A Covington, O49A Milroy, MIAR Mount Ida, WHAR Woolly Hollow, TBI Tubuai, TBI comp=Z,7um,24.0s, P49A Miami Univ, Ec, PARM Parma, ACSO Alum Creek Sta, X40A Basin Creek Fa, CEST Esteri de Car, Z37A Washetta, Mont, N53A Lisbon, O52A Adamsville, P52A Corning, T47A Sharon Grove, CCRAR Cane Creek, WVT Waverly, M57A Sunshine Farm, O52A Bidwell, U49A Red Boiling Sp, S51A Beattyville, CLTN Cedars of Leba, V48A Smt Brothers, KVTX Kingsville, TRNY Table Rock, Ra, Q56A Snyder Ridge, P57A Homestead Farm, S54A Dingess, Beckl, PAL Palisades, R55A Marlinton, TZTN Tazewell, SWET Seward, KEST Kesra, X48A Hartselle, N62A Caumsett State, VBMS Vicksburg, ZAIG Zacatecas, Z47A Carroll, FPAL Fort Paine, BLA Blacksburg, PBRG Braganca, Y49A Blount Mountai, W52A Murphy, X51A Calhoun, V53A Saluda, PGAV Gaveira, Arco CBN Corbin Frederi, LRAL Lakeview Rete, T57A Hurler, POLO Lamas de Olo, U56A King, BG3 Lake Jocassee, R61A Willards, ESDC Sonseca Array, ESDC comp=Z,7.3nm,1.0s, comp=Z,18nm,1.0s, comp=Z,296s,slow=3.4, SNR=11

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ESDC comp=Z,4.5nm,1.1s, Y52A comp=Z,7.3nm,1.0s, KMTC Kings Mountain, MTE Hantegais, V58A Windy Hill, Pi, 152A Waverly Hall, W57A Cartagena, BRAL Brewton, JSC Jenkinville, W59A Clinton, X58A Rowland, Y57A Sumter, V61A Roper, PESTR Estremoz, PESTR Estremoz, Y58A Scranton, TIGA Tifton, PBAR Barrancos, Y60A Bolivia, 257A Skidaway Islan, SFS San Fernando, 656A Willston, DWPF Disney Wildern, AVE Averoeres, KMBO Kilima Mbgoo, KMBO Kilima Mbgoo, CCIG Comit, TAM Tamarrasset, ESQI Esquiulas, MTO3 Montecristo, CHIV Chivirico, NMDO Nuevo Mundo, CRIN San Cristobal, GRTK Grand Turk, PAPH Port-au-Prince, SDDR Presa de Saban, HDC Heredia, TORD Torodi Ar, Be, TORD comp=Z,9.0nm,0.8s, SJJG San Juan, HUMP Col San Antoni, IGPR Interuniversi, SEUS St. Eustasio, BIM Bigot, MPOM Monroe Pois Mar, MAW Mawson, DBIC Dimbrock, BOSA Boshof, QSPA South Pole Qui, ATAH Atahualpa, NVL N'lzarevskaya, NVL comp=Z,10.0nm,1.1s, SNA4 Sanae, LPAZ La Paz, LPAZ La Paz, RCBR Riachuelo, RCBR Riachuelo, VMLB Vilhena, SIV San Martin Ant, SIV comp=Z,18nm,0.5s, PB14 IPEC Station P, BDFB Brasil Station P, BDFB comp=Z,5.0nm,0.8s, PLCA comp=Z,16nm,1.0s, CPUP comp=Z,2.5nm,0.8s, IDC 26 08:33:54.7, 14:7335:167.41E, h141km, MLV4.8/23, Vanuatu Islands, ISC 26 08:33:53.8, 1.3, 14.735, 0.08x167.5E:0.1, h170km, n24, Code Station Name, Az, AzE, Op, Phase ID, Time Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TATA, STKA, WRA, ASAR, FITZ, ARCES.

Table for Nou 09:08:02.1, 17.99S:168.40E, h58km, MLv3.5/13, Vanuatu Islands, Vanuatu Islands. Includes columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

Table for IDC 26:09:11:10.6:14.0, 16.91S:166.81E, h0km, mb4.2/3, mbtmpp1.4/4, ML3.6/1, Error ellipse: s-maj=240.5km. Includes columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

Table for NEIC 26:09:20:30.1, 1.9, 23:10S:0103:179:7W, 0.1, h545km, 6km, mb4.7/160, Error ellipse: s-maj=15.0km s-min=5.0km. Includes columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

Table for NOU 26:09:20:31.2, 23.03S:179:53W, h578km, mb5.1/70, South of Fiji Islands. Includes columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

Table for IDC 26:09:20:31.3, 0.6, 23:07S:179:68W, h564km, 6km, mb4.1/20, mbtmpp5.0/23, Error ellipse: s-maj=11.7km s-min=9.3km. Includes columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

Table for ISC 26:09:20:30.9, 0.4, 23:15S:0104:179:69W, 0.05, h565km, 4km, h565km, 4km, p415, c19/19/409, mb4.8/122, 29C-23D, South of Fiji Islands. Includes columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

Main table for stations in the Vanuatu Islands region, including codes like LBKA, MSVF, RAO, GLKZ, DGTI, etc., with columns for station name, coordinates, and time/residuals.

Main table for stations in the Tonga region, including codes like QRZ, QRZ, DSZ, KHZ, KHZ, RPZ, etc., with columns for station name, coordinates, and time/residuals.

Main table for stations in the Pacific region, including codes like QSPA, QSPA, QSPA, UGM, KKM, KKM, etc., with columns for station name, coordinates, and time/residuals.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like XAN, D08A, E09A, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AKKB, KIEV, KIEV, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BKI, Bering, Bering, etc.

26d 12h

Table with columns: WLF, comp, pmax, pmax, and various station identifiers (BTNL, Q16K, H20K, etc.) and their associated data points.

2019 JAN

Table with columns: E17K, H16K, B18K, etc., and various station identifiers and their associated data points.

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Table with columns: SNA4, SNA4, CAD5, etc., and various station identifiers and their associated data points.

GAR	Garm	2.59	353	Pn	Pn	13 39 45.6	+0.1
SIMJ	Simiganj	2.61	329	Pn	Pn	13 39 45.5	-0.3
DRK	Karamyk	3.17	16	Pn	Pn	13 39 52.8	+0.3
DRK	Karamyk	3.17	16	PN	Pn	13 39 52.8	+0.3
NRL	Nilore	3.39	56.3	+0.5	Pn	13 39 56.3	+0.5
NRL	Nilore	3.47	142	PN	Pn	13 39 56.3	+0.5
BTK	Batken	3.63	1	PN	Pn	13 39 58.6	+0.9
BTK	Batken	3.63	1	PN	Pn	13 39 58.6	+0.9
JMU	Jammu	5.07	136	eP	Pn	13 40 11.6	-0.4
JMU	comp=E,256nm,0.3s			IAML		13 40 33.1	
JMU	comp=E,181nm,0.4s			IAML		13 40 48.5	
JMU	Kashi	5.19	52	eS	S	13 41 16.3	+1.6
KSH	Kashi	6.48	4	eP	Pn	13 40 12.0	-5.2
KSH	Kashi	6.48	4	eP	Pn	13 41 04.5	-13
KSH	comp=E,860nm,0.6s			smax	smax		
KSH	comp=E,600nm,0.5s			smax	smax		
ARSB	Arslanbob	5.21	19	S	Pn	13 40 16.7	-0.8
ARSB	Arslanbob	5.21	19	PN	Pn	13 40 16.7	-0.8
IUG	luzhny	5.74	355	ePN	Pn	13 40 24.0	-0.2
IUG	luzhny	5.74	355	eP	Pn	13 40 24.1	-0.2
THN	Thein Dam	5.74	132	eP	Pn	13 40 23.9	-0.4
THN	comp=E,551nm,0.3s			IAML		13 40 30.6	
THN	comp=E,527nm,0.4s			IAML		13 40 40.1	
THN	Chimkent	5.95	352	ePN	S	13 41 32.0	+1.5
CHM	Chimkent	5.95	352	eP	Pn	13 40 26.6	-0.3
CHM	Chimkent	6.16	21	PN	Pn	13 40 29.0	-0.9
AML	Almayashu	6.22	130	eP	Pn	13 40 30.1	-0.6
DHRM	DHARAMSHALA	6.22	130	eP	Pn	13 40 47.9	
DHRM	comp=E,434nm,0.2s			IAML		13 40 53.5	
DHRM	comp=E,323nm,0.2s			IAML		13 40 53.5	
DZA	Taraz	6.48	4	ePN	Pn	13 40 33.3	-0.3
DZA	Taraz	6.48	4	eP	Pn	13 40 33.2	-0.3
UCH	Uchtor	6.51	26	P	Pn	13 40 33.9	-0.5
BRLS	Boroloday	6.63	355	ePN	Pn	13 40 32.3	-3.3
BRLS	Boroloday	6.63	355	eP	Pn	13 40 32.3	-3.3
EKSZ	Erkin-Say	6.67	37	PN	Pn	13 40 35.6	-0.6
KK31	Karatay Array	6.68	259	PN	Pn	13 40 35.2	-0.9
KK31	comp=E,57nm,0.3s,baz=192,slow=13,SNR=3189			PN	Pn	13 41 47.1	-5.2
KK31	comp=E,96nm,0.4s,baz=184,slow=20,SNR=7.6			PN	Pn	13 40 35.2	-0.9
KK31	Karatay Array	6.68	359	PN	Pn	13 40 35.7	-0.5
KKAR	Karatay Array	6.68	359	PN	Pn	13 40 35.7	-0.5
KKAR	Karatay Array	6.68	359	PN	Pn	13 40 35.7	-0.5
AAK	Ala-Archa	6.87	24	P	Pn	13 40 38.3	-0.5
AAK	Ala-Archa	6.87	24	Pn	Pn	13 40 38.6	-0.2
AAK	Ala-Archa	6.87	24	Pn	Pn	13 40 38.2	-0.5
AAK	comp=E,105nm,0.3s,baz=194,slow=6.4,SNR=829			Pn	Pn	13 41 53.9	-3.1
AAK	comp=E,42nm,0.4s,baz=352,slow=19,SNR=8.5			Pn	Pn	13 40 38.3	-0.5
AAK	Ala-Archa	6.87	24	P	Pn	13 40 38.3	-0.5
BHK	Bhakra	6.89	135	eP	Pn	13 40 40.3	+1.2
BHK	comp=E,428nm,0.1s			IAML		13 41 03.7	
BHK	Bhakra	6.89	135	eP	Pn	13 40 38.3	-0.5
KBK	Karagaybulak	7.04	26	P	Pn	13 42 05.8	+8.3
KBK	SNR=159			Pn	Pn	13 40 40.8	-0.2
FRU1	Bishkek	7.06	24	PN	Pn	13 40 41.3	0.0
FRU1	Bishkek	7.06	24	PN	Pn	13 40 41.2	0.0
HRA	Herat	7.20	256	PN	Pn	13 40 43.0	+0.0
UHLL	Ulahol	7.23	35	P	Pn	13 40 42.8	-0.8
TKM2	Tokmak 2	7.51	29	P	Pn	13 40 46.6	-0.6
TKM2	SNR=597			Pn	Pn	13 40 46.4	-0.8
TKM2	comp=E,184nm,0.5s			PN	Pn	13 42 07.4	-4.9
TKM2	comp=E,40nm,0.8s			PN	Pn	13 40 46.1	-1.0
TKM2	comp=Z,184nm,0.5s			PN	Pn	13 40 46.1	-1.0
SMLA	Simla	7.54	133	eP	Pn	13 40 46.0	-1.4
SMLA	comp=E,446nm,0.2s			IAML		13 40 49.4	
SMLA	comp=E,365nm,0.3s			IAML		13 40 59.4	
KDJ	Kajisay	7.60	39	PN	Pn	13 40 47.2	-1.1
KDJ	Kajisay	7.60	39	PN	Pn	13 40 47.1	-1.1
SGDS	Sogindny	7.64	22	ePN	Pn	13 40 47.2	-1.5
SGDS	Sogindny	7.64	22	eP	Pn	13 40 47.3	-1.5
TARG	Taragay, Kyrgy	7.66	44	PN	Pn	13 40 48.0	-1.2
TARG	Taragay, Kyrgy	7.66	44	PN	Pn	13 40 48.0	-1.2
TNSS	Tian-Shan	8.17	34	ePN	S	13 40 54.7	-1.2
TNSS	Tian-Shan	8.17	34	ePN	S	13 40 54.8	-1.2
TNSS	Tian-Shan	8.17	34	Pn	Pn	13 42 27.0	-1.2
AAA	Alma-Ata	8.29	33	ePN	Pn	13 40 56.5	-0.7
AAA	Alma-Ata	8.29	33	eP	Pn	13 40 56.5	-0.7
MDOK	Medeo	8.32	34	PN	Pn	13 40 56.9	-0.6
MDOK	comp=E,110nm,0.6s			PN	Pn	13 40 56.7	-0.9
MDOK	Medeo	8.32	34	ePN	Pn	13 42 30.4	-0.9
MDOK	Medeo	8.32	34	eP	Pn	13 40 56.7	-0.9
MDOK	Medeo	8.32	34	eP	Pn	13 42 30.5	-0.9
MDOK	Medeo	8.32	34	eP	Pn	13 40 57.3	-0.2
KNDC	Almaty	8.32	33	PN	Pn	13 42 29.6	-1.7
KNDC	comp=E,64nm,0.8s			PN	Pn	13 40 56.3	-1.3
KNDC	Almaty	8.32	33	PN	Pn	13 42 29.6	-1.3
PRZ	Przheval'sk	8.49	42	PN	Pn	13 40 59.8	-0.1
PRZ	Przheval'sk	8.49	42	PN	Pn	13 40 59.8	-0.1
DDI	Dehra Dun	8.65	133	eP	Pn	13 41 00.9	-1.0
SATY	Saty	8.89	39	ePN	Pn	13 41 03.5	-1.5
SATY	Saty	8.89	39	eP	Pn	13 41 03.5	-1.5
BTLA	Baital	8.98	15	ePN	Pn	13 41 04.8	-1.1
BTLA	Baital	8.98	15	ePN	Pn	13 41 04.9	-1.1
ZHN	Zhinshike	8.99	39	ePN	Pn	13 41 04.7	-1.5
ZHN	Zhinshike	8.99	39	eP	Pn	13 41 04.7	-1.5
UZB	Uzymbulak	9.28	41	eP	Pn	13 41 09.1	-0.9
UZB	Uzymbulak	9.28	41	eP	Pn	13 41 09.1	-0.9
KPKS	Kokpek	9.33	39	eP	Pn	13 41 09.1	-1.5
KPKS	Kokpek	9.33	39	eP	Pn	13 41 09.2	-1.5
JASL	Jaisalmer	9.47	179	eP	Pn	13 41 10.2	-2.3
JASL	Jaisalmer	9.47	179	eP	Pn	13 41 10.6	-2.1
NPLP	NPLP New Delhi	9.49	143	eS	S	13 42 56.7	-2.5
NPLP	NPLP	9.49	143	eS	S	13 42 56.7	-2.5
ARXS	Arharly	9.49	33	eP	Pn	13 41 11.5	-1.2
SHLS	Shalkode	9.52	42	eP	Pn	13 41 14.8	+1.7
SHLS	Shalkode	9.52	42	eP	Pn	13 41 14.9	+1.7
KUDL	Kundal	9.60	148	eP	Pn	13 41 11.6	-2.5
KUDL	comp=E,175nm,0.3s			IAML		13 41 32.1	
KUDL	comp=E,175nm,0.3s			IAML		13 41 32.8	
PDGK	Podgornoye	9.65	42	PN	Pn	13 41 12.8	-2.0
PDGK	comp=E,21nm,0.8s			PN	Pn	13 41 48.1	
SONA	Sohna	9.77	145	eP	Pn	13 41 14.4	-2.0
SONA	comp=E,174nm,0.4s			eS	S	13 43 05.5	-0.4
TDK	Taldyqorghan	10.37	32	eP	Pn	13 41 23.1	-0.9
TDK	Taldyqorghan	10.37	32	eP	Pn	13 41 23.1	-0.9
PTH	Pithoragarh	10.52	128	eP	Pn	13 41 23.0	-1.3
PTH	comp=E,104nm,0.3s			IAML		13 41 30.2	
PTH	comp=E,104nm,0.3s			IAML		13 41 40.9	
LGTI	Lohaghat	10.61	128	eP	Pn	13 41 24.3	-2.9
LGTI	comp=E,142nm,0.3s			IAML		13 41 38.4	
LGTI	comp=E,142nm,0.3s			eS	S	13 43 25.1	-0.9
OTUK	Ortavy	11.88	5	PN	Pn	13 41 41.0	-2.2
OTUK	Ortavy	11.88	5	P	Pn	13 41 41.7	-1.5
OTUK	Ortavy	11.88	5	P	Pn	13 41 59.3	+0.8
JHNI	Jhansi	12.82	146	eP	Pn	13 41 59.8	
JHNI	comp=E,238nm,0.2s			IAML		13 42 10.0	
JHNI	comp=E,461nm,0.2s			eS	S	13 44 16.9	-0.7

MAKZ	Makanchi	13.36	36	PN	Pn	13 42 01.1	-0.7
MK31	Makanchi Array	13.50	36	PN	Pn	13 42 02.7	-0.8
MK31	Makanchi Array	13.50	36	PN	Pn	13 42 03.0	-0.5
MK31	comp=E,19nm,0.8s,baz=203,slow=3.5,SNR=97			PN	Pn	13 42 02.7	-0.8
MK31	Makanchi Array	13.50	36	PN	Pn	13 42 03.1	-0.4
MK31	Makanchi Array	13.50	36	PN	Pn	13 42 03.1	-0.4
MKAR	Makanchi Array	13.50	36	PN	Pn	13 42 02.6	-0.9
MKAR	comp=E,9.9nm,0.8s,baz=209,slow=1.1,SNR=34			PN	Pn	13 42 03.2	-0.3
MKAR	Makanchi Array	13.50	36	P	Pn	13 42 03.2	-0.3
MKAR	comp=Z,10.0nm,0.9s			PN	Pn	13 42 17.0	+1.3
BHPL	Bhopal	14.37	154	eP	Pn	13 42 17.9	
BHPL	comp=E,86nm,0.3s			IAML		13 42 28.2	
BHPL	comp=E,160nm,0.3s			IAML		13 42 21.3	+1.2
NRDN	NARMADA NAGARI	14.76	156	eP	P	13 42 21.3	+1.2
NRDN	comp=E,55nm,0.3s			IAML		13 42 28.8	
NRDN	comp=E,74nm,0.2s			IAML		13 42 28.8	
NRDN	Urumqi	14.94	55	eS	S	13 44 59.7	-3.3
WMQ	Urumqi	14.94	55	eP	Pn	13 42 22.8	+0.9
WMQ	comp=E,20nm,0.9s			PN	Pn	13 42 21.3	+1.2
WMQ	comp=E,510nm,14.7s			LR	LR	13 42 28.8	
WMQ	comp=E,650nm,20.7s			LR	LR	13 42 28.8	
WMQ	comp=E,550nm,20.7s			LR	LR	13 42 21.3	-1.1
AB31	Akbulak array	15.04	332	PN	Pn	13 42 21.2	-1.1
AB31	comp=E,10nm,0.6s,baz=148,slow=12,SNR=172			PN	Pn	13 42 21.5	-0.9
AB31	Akbulak array	15.04	332	eP	Pn	13 42 24.0	-1.3
AB31	Kurchatov Arra	15.04	332	P	Pn	13 42 25.3	-1.3
KURK	Kurchatov	15.38	19	Iamb	Iamb	13 42 29.5	-1.1
KURK	comp=Z,5.8nm,0.6s			Iamb	Iamb	13 42 25.3	-1.3
KURK	Kurchatov	15.38	19	PN	Pn	13 42 25.3	-1.3
KURK	Kurchatov	15.38	19	P	Pn	13 42 25.3	-1.3
KURK	comp=Z,6.0nm,0.6s			PN	Pn	13 42 35.5	+0.1
BANOM	Banah	16.15	234	P	P	13 42 35.5	+0.1
SHME	Shamm	16.16	234	P	P	13 42 35.6	+0.1
MDH	Madha	16.59	237	P	P	13 42 39.7	-0.5
BVAO	Borovyoye Array	16.60	359	PN	Pn	13 42 39.7	-0.4
BVAO	comp=Z,12nm,1.0s,baz=157,slow=9.8,SNR=42			PN	Pn	13 42 40.7	-0.5
BVAO	Borovyoye Array	16.60	359	P	Pn	13 42 41.2	+0.6
BVAO	comp=Z,8.0nm,0.5s,baz=156,slow=10.0,SNR=54			PN	Pn	13 42 40.8	+0.3
MSFE	Esma-Masafi	16.63	233	P	P	13 42 40.8	+0.3
BRVK	Borovyoye	16.64	359	P	P	13 42 40.8	+0.3
BRVK	comp=Z,9.8nm,0.7s			PN	Pn	13 42 40.8	+0.3
BRVK	Borovyoye	16.64	359	PN	Pn	13 42 40.9	+0.5
BRVK	comp=Z,3.6nm,0.8s			PN	Pn	13 42 42.6	-0.1
BRVK	Borovyoye	16.64	359	P	Pn	13 42 42.6	-0.1
AKTO	Aktubinsk	16.73	331	P	P</		

26d 13h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like NOA NORARS Array B, KONS Kongsvik, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like WALHA Wallhausen, DE, WALHA Wallhausen, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like ROMAN Romanshorn, Fo, WEIN Weingarten, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like WALHA Wallhausen, DE, WALHA Wallhausen, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like MOS 26 13:46:20.1,0.9,29:36N:130:37E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like JGF Kuroka, KNS19 Wanjung Array Si, etc.

26d 13h

Table with columns for station ID, name, elevation, and coordinates. Includes stations like BRZS, OTUK, NIL, WRA, SPIA, etc.

2019 JAN

Table with columns for station ID, name, elevation, and coordinates. Includes stations like O16K, P16K, R16K, M17K, F19K, D19K, etc.

1548

Table with columns for station ID, name, elevation, and coordinates. Includes stations like NEA2, RC01, O22K, RND, F24K, etc.

26d 15h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PFO Pinyon Flats O, SCHO Schefferville, ESDC Seneca Arr, etc.

IDC 26 13:52:08.6:0.9, 13:52Sx166:36E, h0km, mb4.2/8, mbmp4.2/9, ML3.9/11, MS3.7/4, Error ellipse: s-maj=31.4km s-min=22.5km az=116.0

NEIC 26 13:52:10.2:2.1, 13:55S:0.1:166:1E:0.2, h18km, 6km, mb4.7/11, Error ellipse: s-maj=24.3km s-min=12.9km az=69.0

ISC 26 13:52:13.3:0.8, 13:52S:0.10:166:1E:0.1, h36km, n30, s171/27, mb4.3/14, Vanuatu Islands

Main table for 26d 15h section, listing various seismic stations and their data points.

PRU 26 13:57:01.9, 49.84N:18.46E, h0km, IPEC 26 13:56:59.6:0.4, 49.85N:18.56E, h1km, ML0.9/4, Error ellipse: s-maj=2.4km s-min=2.0km az=113.0, Czech and Slovak Republics

Table for Czech and Slovak Republics section, listing stations like OKC Ostrava-Krasne, STEB Steborice, etc.

NEIC 26 14:04:56.3:1.2, 8:1S:0.1:119:81E:0.09, h18km, 11km, mb4.2/9, Error ellipse: s-maj=19.5km s-min=8.4km az=216.0

DJA 26 14:04:57.0:9.4, 8:5S:3:12:0E, h158km, 6km, M4.1/13, mb4.9/2, mb4.3/3, MLV4.0/13, Mw(mb)4.2/2

IDC 26 14:04:59.5:2.1, 8:10S:120:12E, h207km, 17km, mb3.5/4, mbmp3.9/6, Error ellipse: s-maj=57.1km s-min=10.0km az=55.0

ISC 26 14:04:56.2:0.7, 8:39S:0:05:119:73E:0:04, h181km, 7km, n50, s138/59, mb4.1/4, Flores region

Table for Flores region section, listing stations like WBSI Waikabubak, WSI Waingapu, etc.

2019 JAN

Table for 2019 JAN section, listing stations like BATI Baumata, SOEI Soe, etc.

VAO 26 14:25:44.9:1.2, 19:60S:70:88W, h10km, mb4.3, SJA 26 14:25:59.7:0.7, 19:17S:70:13W, h73km, 4km, ML4.3, MW4.0

IDC 26 14:26:01.7:4.5, 19:20S:70:17W, h79km, 38km, mb3.4/6, mbmp3.8/7, MS2.7/1, Error ellipse: s-maj=42.7km s-min=25.8km az=70.0

GUC 26 14:26:02.0:0.7, 19:17S:70:12W, h68km, 5km, ML4.2, ISC 26 14:26:00.4:0.7, 19:17S:0:03:70:08W:0:07, h74km, 6km, n52, s151/56, mb3.8/6, 1C, Near coast of northern Chile

Main table for 2019 JAN section, listing various seismic stations and their data points.

ISC 26 15:28:33.1:1.4, 12:48N:87:50W, h0km, mb3.6/6, mbmp3.6/8, ML3.8/8, Error ellipse: s-maj=53.8km s-min=15.7km az=43.0

SNET 26 15:28:39.3:3.6, 12:58N:87:43W, h125km, ML3.6, ISC 26 15:28:32.4:0.9, 11:64N:0:07:87:84W:0:07, h30km, n29, s135/35, mb3.4/6, Near coast of Nicaragua

Table for Nicaragua section, listing stations like PKGN Cerro Pekin, COPN Copaltepe, etc.

1550

Table for 1550 section, listing stations like SNDB Serra Nova Dou, ITTB Itaituba, TXAR Lajitas Array, etc.

IDC 26 15:28:33.1:1.4, 12:48N:87:50W, h0km, mb3.6/6, mbmp3.6/8, ML3.8/8, Error ellipse: s-maj=53.8km s-min=15.7km az=43.0

SNET 26 15:28:39.3:3.6, 12:58N:87:43W, h125km, ML3.6, ISC 26 15:28:32.4:0.9, 11:64N:0:07:87:84W:0:07, h30km, n29, s135/35, mb3.4/6, Near coast of Nicaragua

Main table for 1550 section, listing various seismic stations and their data points.

IDC 26 15:24:56.8:1.1, 54:03S:05:01W, h0km, mb4.2/3, mbmp4.1/4, ML3.7/1, Error ellipse: s-maj=53.9km s-min=28.7km az=84.0

ISC 26 15:40:58.7:0.9, 54:1S:0:28:58:1W:0:3, h10km, n13, s113/10, mb4.2/3, Falkland Islands region

Table for Falkland Islands region section, listing stations like PLCA Paso Flores, SNA4 Sanaz, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Willow Creek R, Rachel, Spring Creek 3, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tsauhsan, Fanlu, Hsiinying, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dajia District, Taichung City, WCHM, etc.

RSNC 26 15:51:27.1±0.0, 3°N 1°7'6"W, h-1km±2km, ML1.2, ML1.1, Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Jamundi, Valle, Popayan, etc.

RSNC 26 16:11:06.1±6.5, 35°76'N 71°51'E, h0km, mb3.9/5, mbtmp3.8/9, ML3.4/4, MS4.1/1, Error ellipse: s-maj=109.9km s-min=32.1km az=154.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Alishan, Jiashian, Douliou City, etc.

RSNC 26 16:11:23.9±2.0, 36°7'N 02°71'3E, 0.1, h100km, n17, c1582/19, mb3.7/4, 2C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Karatay Array, Kurchatov Arra, etc.

RSNC 26 16:15:06.1±1.9, 18°70'N 72°13'W, h13km±73km, MD2.5, ML2.0, MW2.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Jimani, Port-au-Prince, etc.

OSPL 26 16:15:08.1±1.6, 18°58'N 07°71'99W, 0.07, h15km±10km, n8, c1525/16, 5D, Dominican Republic region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Full, Yuli, Beigang Elemen, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tagaytay City, Warramunga Arr, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like El Aguacate, EI Espartillar, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahía de las A, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahía de las A, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahía de las A, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahía de las A, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahía de las A, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahía de las A, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahía de las A, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:11.7, 23°38'N 120°49'E, h8km, ML3.7, B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bahía de las A, etc.

RSNC 26 16:23:12.4±0.7, 23°39'N 01°120°49'E, 0.01, h13km±3km, n165, c066/258, 13C-16D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

RSNC 26 16:23:55.9±1.0, 14°60'N 124°14'E, h0km, mb3.7/9, mbtmp3.7/10, ML4.7/1, Error ellipse: s-maj=32.2km s-min=18.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Wufeng, Pingtung City, etc.

26d 16h

DJA 26 16:36:10.9,0.5,2'N,2.9'E,1.2h26km,5km,M4,8/18, mB5.2/1,mB4.9/MLV4.8/18,Mw(mB4.6)/1 NEIC 26 16:36:10.9,1.5,1.87N,0.03,97.89E,0.06,h54km,7km, mB4.9/65,Error ellipse: s-maj=9.7km s-min=2.5km az=106.0

ISC 26 16:36:11.2,0.5,1.91N,0.04,97.86E,0.04,h57km,5.4km, h58km:p-P,n278,c1910/277,mB4.8/107,MS3.6/12, 10C-20,Northern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res, SC. Lists various seismic stations and their recorded data.

2019 JAN

Main table listing seismic events with columns: HNS, Station Name, Time, Res, SC, Pmax, Pmax. Lists events from January 2019.

1552

Table listing seismic events with columns: HEH, Station Name, Time, Res, SC, Pmax. Lists events from January 2019.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MORC Moravsky Berou, MODS Modra-Piesok, KRLC Kralicky, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H08S2, KMBO Kilima Mbogo, PSI Prapat, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LATG Datong, OWD Neucheng, ENTTE Nioudou, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like CD2 Chengdu, CD2 Xi'an, JMM Marumori, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like ULN Ulanbaatar, ULN Ulanbaatar, ULN Songino Array, etc.

Table with columns: Station, Frequency, Mode, Power, and other technical details. Includes stations like TDK Taldyqorghan, TDK TDK, TDK Taldyqorghan, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like WAZ, TSZ, BFZ, MRZ, etc. and various international stations like KIP, KDU, KDR, etc.

26d 19h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Mudanjiang, Pinyon Flats, Mawson, etc.

2019 JAN

Table with columns for station name, frequency, power, and other technical details. Includes stations like KLR, COR, M14K, etc.

1560

Table with columns for station name, frequency, power, and other technical details. Includes stations like HongShan, HeiHe, Pink Cliffs, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like LDAQ, BOAV, LMQ, BRZS, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like WSAR, JMDQ, JMO, SMDO, BIDO, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like NBMO, FAUS, FLWR, SILE, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HYA LABN, HFS Hagfors, SKAR Skarslia, and many others across various frequency bands.

26d 20h

Table with columns for call sign, name, frequency, power, and status. Includes stations like FUTU, RAO, RAO, RAO, RAO, etc.

2019 JAN

Table with columns for call sign, name, frequency, power, and status. Includes stations like ARPS, MANU, QIS, JOHN, etc.

1566

Table with columns for call sign, name, frequency, power, and status. Includes stations like JMN, SBUM, SIBU, SADO, etc.

R16K	Pilot Point	80.46	11	P	P	20 15 48.9	+0.1
MDJ	Mudanjiang	80.60	325	P	IAmb	20 15 50.8	+0.9
MDJ	comp-Z,122nm,1.4s					20 15 52.4	
MDJ	Mudanjiang	80.60	325	P	Pmax	20 15 51.5	+1.6
MAW	Mawson	80.64	200	P	Pmax	20 15 50.8	+1.1
PFO	Pinyon Flats O	80.65	49d	P	Pmax	20 15 51.9	+1.3
BKNI	Bangkinang	80.85	274	P	P	20 15 51.6	-0.3
PMSA	Palmer Station	80.99	157	P	P	20 15 53.2	+1.6
OHAK	Old Harbor	81.01	14	P	P	20 15 52.0	+0.3
OHAK	Old Harbor	81.01	14	P	P	20 15 51.7	+0.1
R18K	Karluk	81.07	13	P	P	20 15 52.2	+0.2
YBH	Yreka Blue Hor	81.35	39	P	P	20 15 55.5	+1.7
YBH	Yreka Blue Hor	81.35	39	P	IAmb	20 15 57.2	
YBH	Yreka Blue Hor	81.35	39	P	Pmax	20 15 55.6	+1.7
Q17K	Contact Creek	81.43	12	P	P	20 15 53.6	-0.3
O14K	Tiguyakuivet M	81.45	9	P	P	20 15 53.4	-0.5
MPK	Martis Peak	81.50	42	P	P	20 15 56.2	+1.2
MPK	MPK	81.50	42	P	IAmb	20 15 57.2	
O15K	Ungalikthiuk R	81.59	10	P	P	20 15 54.5	-0.2
Q16K	King Salmon	81.67	12	P	P	20 15 54.9	0.0
KDAK	Kodiak Island	81.68	14	P	P	20 15 56.0	+1.0
KDAK	Kodiak Island	81.68	14	P	IAmb	20 15 56.9	
KDAK	Kodiak Island	81.68	14	P	P	20 15 55.6	+0.5
KDAK	Kodiak Island	81.68	14	P	Pmax	20 15 56.1	+1.0
GRNR	Gorny	81.73	333	P	Pmax	20 15 56.7	+1.1
GRNR	comp-E,10.0nm,1.2s						
GRNR	comp-Z,40nm,1.2s						
P16K	Nushagak River	81.76	11	P	P	20 15 55.4	0.0
L04D	Klamath Falls	81.89	39	P	P	20 15 58.3	+1.6
L04D	comp-Z,138nm,1.0s					20 15 59.6	
M11K	Mekoryuk	81.93	6	P	P	20 15 57.7	+1.5
N14K	Kuskokwak Cree	82.03	9	P	P	20 15 57.7	+0.9
NVAR	Mina Array Bea	82.10	44	P	P	20 15 59.3	+1.3
NVAR	Mina Array Bea	82.10	44	P	P	20 15 59.4	+1.4
NVAR	comp-Z,30nm,0.8s,baz=224,slow=8.6,SNR=55					20 37 04.2	-2.4
WHN	Wuhan	82.18	307	P	Pmax	20 15 59.3	+1.0
WHN	comp-Z,150nm,1.3s						
NV11	Mina Array Sit	82.19	44	P	IAmb	20 15 59.1	+0.7
NV11	comp-Z,60nm,1.0s					20 16 01.0	
P17K	Kvichak River	82.19	11	P	P	20 15 57.9	+0.2
O16K	Kokwok River B	82.28	11	P	P	20 15 57.8	-0.3
M13K	Dall Lake	82.29	8	P	P	20 15 59.1	+1.0
HSIG	Changchun	82.33	55	eP	P	20 16 00.1	+1.0
CN2	CN2	82.34	323	eS	SKSac	20 15 58.5	+0.2
CN2	comp-Z,70nm,1.4s					20 25 25.5	+2.5
CN2	comp-Z,460nm,3.5s						
IPM	Ipo	82.39	278	P	P	20 16 00.1	+0.3
IPM	Ipo	82.39	278	P	P	20 16 00.6	+0.8
Q20K	Shuyak Island	82.47	14	P	P	20 15 59.4	+0.4
Q19K	Cape Douglas	82.50	13	P	P	20 15 59.1	-0.1
N15K	Kwethluk River	82.50	9	P	P	20 16 00.1	+0.9
BNX	BinXian	82.51	325	P	Pmax	20 15 59.8	+0.3
P18K	Big Mountain	82.61	12	P	P	20 15 59.7	-0.1
O17K	Koliganek Brit	82.62	11	P	P	20 15 59.7	-0.1
KLR	Kul'dur	82.69	330	P	P	20 16 01.2	+0.8
KLR	comp-Z,21nm,1.0s,baz=115,slow=5.1,SNR=18						
KLR	Kul'dur	82.69	330d	P	Pmax	20 16 01.1	+0.7
M14K	Bethel	82.79	8	P	P	20 16 01.6	+1.0
M14K	Bethel	82.79	8	P	P	20 16 01.2	+0.7
M15K	Kasigluk River	82.92	9	P	P	20 16 01.8	+0.6
N16K	Nishlik Lake	83.00	10	P	P	20 16 02.4	+0.7
KULM	Kulim	83.04	278	P	P	20 16 03.4	+0.4
KULM	Kulim	83.04	278	P	P	20 16 03.7	+0.7
O18K	Koktuh Hills	83.04	12	P	P	20 16 01.7	-0.2
TIA	Taian	83.12	313	P	Pmax	20 16 03.5	+0.6
W13A	Hualapai Mount	83.25	48	P	P	20 16 04.8	+1.0
P19K	Oil Pt	83.25	13	P	P	20 16 03.1	+0.2
L14K	Kuka Creek	83.27	8	P	P	20 16 03.6	+0.6
MG05	Puerto Natales	83.27	143	P	IAmb	20 16 04.7	+1.3
MG05	comp-Z,64nm,1.1s					20 16 06.5	
N17K	Nushagak Hills	83.31	11	P	P	20 16 04.1	+0.9
MG03	Isia Dawson	83.42	146	P	IAmb	20 16 05.6	+1.5
MG03	comp-Z,100nm,1.4s					20 19 05.8	
M16K	Timber Creek	83.49	10	P	P	20 16 05.1	+1.0
O19K	Port Alsworth	83.53	12	P	P	20 16 04.3	0.0
CNPM	China Poot	83.56	14	P	P	20 16 04.9	+0.4
CNPM	comp-Z,125nm,1.0s					20 16 06.0	
HOM	Homer	83.59	14	P	P	20 16 04.8	+0.2
K13K	Kusilvak Mount	83.61	7	P	P	20 16 05.2	+0.5
RPSI	Rantau Prapat	83.68	275	P	IAmb	20 16 05.6	-0.6
RPSI	comp-Z,83nm,1.5s					20 16 07.2	
N18K	Kilae Creek	83.68	11	P	P	20 16 04.5	-0.6
PSI	Prapat	83.72	275	P	Pmax	20 16 05.6	-0.9
L15K	Ungalak Mounta	83.75	8	P	P	20 16 05.8	+0.5
O20K	Slope Mountain	83.77	13	P	P	20 16 05.3	-0.2
R11K	Troy Canyon, C	83.83	45	P	P	20 16 06.7	+0.2
BRBK	Bradley Lake S	83.85	14	P	P	20 16 06.0	+0.1
BRSE	Bradley Lake S	83.86	14	P	P	20 16 06.2	+0.2
TUC	Tucson	84.06	52	P	P	20 16 09.7	+2.0
TUC	comp-Z,55nm,1.1s					20 16 11.2	
TUC	Tucson	84.06	52	P	P	20 16 09.7	+2.0
TUC	comp-Z,55nm,1.2s						

L16K	Owhat River	84.07	9	P	P	20 16 07.1	+0.2
N19K	Bonanza Creek	84.07	12	P	P	20 16 06.5	-0.6
M17K	Hollina River	84.09	10	P	P	20 16 07.5	+0.4
WVOR	Wild Horse Val	84.19	40	P	IAmb	20 16 09.3	+1.1
WVOR	comp-Z,66nm,1.1s					20 16 11.0	
WVOR	Wild Horse Val	84.19	40	P	Pmax	20 16 09.3	+1.1
MA2	Magadan	84.22	345	P	IAmb	20 16 07.1	-0.6
MA2	comp-Z,96nm,1.3s					20 16 08.8	
MA2	Magadan	84.22	345	P	P	20 16 06.9	-0.8
MA2	comp-Z,25nm,0.9s,baz=154,slow=5.0,SNR=13						
MA2	Magadan	84.22	345	P	Pmax	20 16 07.1	-0.6
MA2	comp-Z,96nm,1.3s					20 16 08.5	+0.2
K15K	Wolf Creek Mou	84.34	8	P	P	20 16 10.4	+0.5
GSJ	Gungungitoli	84.43	274	P	P	20 16 10.2	+2.1
GSJ	Gungungitoli	84.43	274	P	P	20 16 09.1	+0.1
M18K	Stony River	84.51	11	P	P	20 16 11.0	+0.3
SEW	Seward	84.58	14	P	P	20 16 09.1	+0.1
J14K	Nanvaranak Lak	84.53	7	P	P	20 16 09.8	+0.7
L17K	Donlin	84.65	10	P	P	20 16 10.8	+1.0
Q23K	Middleton Isla	84.65	16	P	P	20 16 10.7	+0.9
LCMT	Little Creek M	84.69	47	P	P	20 16 11.8	+1.0
CAMP	Captain Cook N	84.70	13	P	P	20 16 11.1	+1.1
GAMB	Gambell	84.87	3	P	P	20 16 11.7	+1.0
SPCR	Spurr Chakaka	84.87	13	P	P	20 16 10.3	-0.7
P23K	Montague Isla	84.88	15	P	P	20 16 11.1	+0.2
L18K	Granite Mounta	84.99	10	P	P	20 16 12.0	+0.7
CLRS	Cowichan Lake	85.05	33	P	IAmb	20 16 13.1	+1.1
CLRS	comp-Z,56nm,1.0s					20 16 14.6	
AY03	Cochrane	85.15	139	P	P	20 16 14.6	+1.9
K17K	Iditarod	85.20	9	P	P	20 16 12.8	+0.4
WUAZ	Wupatki	85.22	49	P	P	20 16 14.5	+1.1
CBB	Campbell River	85.23	31	P	IAmb	20 16 13.9	+1.0
CBB	comp-Z,88nm,1.2s					20 16 15.6	
L19K	White Mountain	85.27	11	P	P	20 16 12.8	0.0
PGC	Sidney	85.29	33	P	P	20 16 14.0	+0.9
PGC	comp-Z,62nm,1.0s					20 16 15.7	
RC01	Rabbit Creek A	85.30	14	P	P	20 16 13.0	+0.1
RC01	Rabbit Creek A	85.30	14	P	P	20 16 13.2	+0.3
M20K	Styx River	85.31	12	P	P	20 16 12.3	-0.8
ELK	Elko	85.35	43	P	P	20 16 14.8	+0.8
ELK	Elko	85.35	43	P	Pmax	20 16 14.8	+0.8
HNS	HongShan	85.40	313	P	Pmax	20 16 15.0	+1.1
HNS	comp-Z,46nm,1.3s					20 16 13.3	-0.2
PWL	Port Wells	85.41	14	P	P	20 16 13.0	-0.5
PWL	Port Wells	85.41	14	P	P	20 16 13.6	+0.2
J16K	Anvik River	85.41	8	P	P	20 16 13.6	+0.2
HIN	Hinchinbrook I	85.45	15	P	IAmb	20 16 13.8	+0.1
HIN	comp-Z,104nm,1.2s					20 16 15.0	
HEH	Heihe	85.46	329	P	Pmax	20 16 14.3	+0.4
HEH	comp-Z,85nm,1.1s					20 16 15.4	+0.5
HPJG	LuoYang	85.50	59	P	P	20 16 15.8	+1.1
LYN	LYN	85.54	310	sS	sS	20 29 41.0	-3.0
LYN	comp-Z,74nm,1.2s					20 29 41.0	-3.0
KRAM	Kayak Island	85.58	17	P	P	20 16 14.1	-0.2
CRAG	Craig	85.68	24	P	P	20 16 14.9	0.0
SKT	Skwentna	85.72	13	P	P	20 16 13.8	-1.1
L20K	Farewell, AK	85.72	11	P	P	20 16 14.6	-0.4
GLI	Glacier Island	85.72	15	P	P	20 16 14.8	-0.2
GLI	Glacier Island	85.72	15	P	P	20 16 14.6	-0.3
J17K	VABM Dome	85.73	9	P	P	20 16 14.5	-0.4
ENH	Enshi	85.73	305	P	P	20 16 16.3	+0.5
TTA	Tatalina	85.77	10	P	P	20 16 15.4	+0.2
TTA	Tatalina	85.77	10	P</			

26d 20h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like M26K Nabesna, AK, LL04 Puerto Octay, BWN Brown, YUK6 Outpost Mounta, etc.

2019 JAN

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

1568

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like E24K Your Creek, D22K Aiyukik River, F25K Christian River, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other technical details. Includes stations like KK31 Karatay Array, KK32 Karatay Array, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other technical details. Includes stations like RNPP5 Starji Chorot, LUNU Lund, LUBAR Lubar, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other technical details. Includes stations like CJR Cluj-Napoca, MDB Medias, MBB Medias, etc.

26d 20h

Table with columns: BIOD, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for various stations.

2019 JAN

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for various stations.

1570

Table with columns: Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for various stations.

IDC 26:20:40:42.7:4.4, 5:53S:131.32E, h0km, mb3.5/1, mbtmp3.4/3, ML3.3/2, Error ellipse: s-maj=314.0km s-min=33.2km az=73.0, Banda Sea

YSS	10.0nm,0.2s	A	A	22 49 56.8
	10.0nm,0.2s			

BJI 26 22:50:13.6,25.74N,129.14E,h18km,mb4.8/23,mb4.5/67,Ms4.4/55,Ms7.4/257
 IDC 26 22:50:14.6,0.6,25.89N,128.99E,h0km,mb4.5/26,mbmp4.5/30,ML4.3/3,MS3.9/38,Error ellipse: s-maj=17.3km s-min=12.4km az=88.0
 MOS 26 22:50:14.6,0.9,25.87N,128.99E,h10km,mb5.1/44,Error ellipse: s-maj=9.2km s-min=4.7km az=109.8
 NEIC 26 22:50:16.2,1.4,25.86N,0.06,129.04E,0.06,h10km,1km,mb4.9/87,Error ellipse: s-maj=11.4km s-min=8.1km az=204.0

JMA 26 22:50:17.3,0.2,26.1N,129.0E,0.8,h43km,MD4.4/23,MM4.6/23,NEAR OKINAWAJIMA ISLAND
 NIED 26 22:50:17.3,25.92N,129.04E,h43km,MM4.6, Moment Tensor Solution, s3, Moment tensor, Scale 10¹⁵Nm; M1:2.00; M2:1.53; M3:3.53; M4:5.56; M5:2.50; M6:5.46; Fault plane solution: M:8.64000x10¹⁵ NP1: 0s163.00000°,s20.00000°,A27.00000°. NP2:0s47.00000°,0s81.00000°,A108.00000°.

ISC 26 22:50:16.8,0.6,25.86N,0.003,129.03E,0.003,h17km,3.3km,h17km;p-P,n377°,c1966/395,mb4.8/126,MS4.0/52,41C-17Z,Southeast of Ryukyu Islands

Code	Station Name	A°	AZ°	Phase ID	Time	Res
JNTH	Nagotoyohara	1.11	306	P	22 50 36.3	-1.3
JNTH	Nagotoyohara	1.11	306	S	22 50 49.2	-2.6
JNTH	Nagotoyohara	1.11	306	A	22 50 36.3	
JJT3	Tamagusuku3	1.15	284	P	22 50 37.7	-0.5
JJT3	Tamagusuku3	1.15	284	S	22 50 52.0	-1.0
JJT3	Tamagusuku3	1.15	284	A	22 50 37.7	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	22 50 37.4	
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	Pn	22 50 51.5	-2.2
JOW	Kunigami	1.18	325	Pn	22 50 37.9	-0.6
JOW	Kunigami	1.18	325	S	22 50 50.9	-2.8
JOW	Kunigami	1.18	325	A	2	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ANMO Albuquerque, PLCA Paso Flores, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMSI Cibinong, TMT Ternate, SANI Sanana.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SANI Luwli, KDI Lendah, IDC 26 23:45:06.8, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KPT Kopyto, KOZ Kozyrevsk, KZD Kozdrevnyy, etc.

Table with columns: YKA, CLRS, SPITS, KURK, MK31, MKAR, BVAR, NVAR, ARCES, PDAR, PSUT, ULM, ABKAR, CMAR, SCHG, NOA, HFS, TXAR, GNI, VRAC, GERES, BRTR, ARTR, ESDC. Includes station names, coordinates, and various parameters.

AUST 27 00:00:42.1±0.2, 34.2°S, 13°8E, h10km, mb3.5/1, ML2.9/12, Error ellipse: s-maj=4.4km s-min=3.3km az=69.0

IDC 27 00:00:46.6±0.4, 33.20S±138.02E, h0km, mbtmp2.9/3, ML3.2/3, Error ellipse: s-maj=68.5km s-min=23.0km

ISC 27 00:00:40.8±0.8, 33.88S±103.38E, h10km, n25, ±203/31, Near coast of South Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations and their parameters.

WEL 27 00:03:34.3±1.3, 31.5°S, 25°17'9E, h1401km, 51km, MB4.4/2, ML4.5/7, Mw(MB)3.5/2, Error ellipse: s-maj=97.4km s-min=7.5km az=109.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations and their parameters.

Table with columns: MTHZ, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations and their parameters.

IDC 27 00:27:43.2±2.9, 30.63S±71.13W, h0km, mb3.9/2, mbtmp3.9/2, Error ellipse: s-maj=248.5km s-min=61.3km az=162.0

SJA 27 00:27:50.0±0.8, 30.17S±71.45W, h40km, 999km, ML3.7, MW3.8

GUC 27 00:27:52.3±0.7, 30.19S±71.33W, h68km, 2km, ML3.9

ISC 27 00:27:51.2±1.4, 30.18S±71.36W, h0.05, h25km±12km, n52, ±173/66, 3C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations and their parameters.

Table with columns: PEL, MT02, VCA, VCA, VCA, ASAL, ASAL, ASAL, MT05, MT05, ARCO, ARCO, MT04, MT04, MT03, MT03, MT08, MT08, AAGR, AAGR, MT13, MT13, MT01, MT01, AACL, AACL, AACL, AC01, H03N1, H03N2, H03N3, BDBF, BDBF, TOR, TOR, H11S2, H11S1, H11S3, BVAR, KURBS, ZALV. Includes station names, coordinates, and various parameters.

IDC 27 00:32:40.6±2.8, 7.00S±128.88E, h0km, mb3.3/1, mbtmp3.5/2, ML3.8/2, Error ellipse: s-maj=284.3km s-min=32.2km az=67.0, Banda Sea

DJA 27 00:33:12.0±0.6, 9°S, 3°11'7E, h26km±5km, M4.1/13, mb4.2/3, MLv4.1/13, Sumbawa phase ID

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations and their parameters.

IDC 27 00:48:28.2±2.7, 62°05'S, 156°45'E, h0km, mb4.1/3, mbtmp4.1/3, MS3.9/30, Error ellipse: s-maj=177.4km s-min=25.8km az=75.0

GCMT 27 00:48:35.0±0.3, 62°22'S, 155°39'E, h0.04, h15km, MW4.9/79, Moment Tensor Solution, s22.c28: s79.c120; Duration: 0 Moment tensor: Scale 1019Nm; Mr-0.64±.12; Mw±0.25±.09; Mb±1.93±.11; M1±1.27±.35; Mb±2.01±.10; Ms±0.04±.41; Best double couple: M3.230000±1016 NP1±337.00000°, 870.00000°, 3.000000°. NP2: ±246.00000°, 888.00000°, 1.160.00000°. Principal axes: T 3.6750, P 16.0000°, Azm200.0000°, N -0.8850, Azm293.0000°, Azm58.0000°, P -2.7850, P1g2.0000°

Azm293.0000°, nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

ISC 27 00:48:27.9±1.5, 62.9S±154.6E, h0.7, h10km, n42, ±0564/6, mb3.9/3, MS4.0/29, Balleny Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations and their parameters.

1581 **2019 JAN** 27d 1h

IRK	Irkutsk	23.89	256	eP	P	01 46 21.4 +0.7	M20K	Styx River	27.16	67	P	P	01 46 50.0 -0.4	EPYK	Eagle Plains	30.52	51	P	P	01 47 20.3 +0.2
IRK	comp=Z,44nm,0.8s						NEA2	Nenana	27.20	60	P	P	01 46 50.3 -0.4	P23K	Montague Islan	30.53	67	P	P	01 47 19.8 -0.4
L15K	Dali Lake	23.89	77	P	P	01 46 20.0 -0.6	N19K	Bonanza Creek	27.25	70	P	P	01 46 51.1 -0.1	N25K	Chitina Valde	30.59	63	P	P	01 47 20.6 -0.3
M13K	Ungalak Moutna	23.96	73	P	P	01 46 20.2 -1.0	BMAR	Burnt Mountain	27.33	53	P	P	01 46 52.6 +0.9	HHC	Hu-ho-hao-te	30.60	233	eP	P	01 47 20.5 -0.7
D22K	Ayikyak River	23.97	53	P	P	01 46 21.0 -0.3	F26K	Sheenjek River	27.34	52	P	P	01 46 52.3 +0.4	HHC	comp=Z,7.0nm,0.6s					
H19K	Roundabout Mou	24.02	62	IAMB	IAMB	01 46 24.1	FALS	False Pass	27.36	87	P	P	01 46 52.5 +0.4	HHC	comp=Z,9.1nm,4.5s					
H19K	Roundabout Mou	24.02	62	P	P	01 46 22.0 +0.2	TRF	Thorofare Moun	27.37	63	P	P	01 46 52.4 +0.1	HHC	comp=N,190nm,16.7s					
J17K	VABM Dome	24.02	68	P	P	01 46 22.8 +0.9	P17K	Kvikak River	27.43	74	P	P	01 46 52.6 -0.1	HHC	comp=E,190nm,13.3s					
J17K	VABM Dome	24.02	68	P	P	01 46 25.4	H25L	Birch Creek	27.49	56	P	P	01 46 53.4 +0.3	HHC	comp=Z,290nm,15.9s					
J17K	VABM Dome	24.02	68	P	P	01 46 22.0 +0.2	COLA	College	27.50	59	P	P	01 46 53.2 0.0	A36M	Sachs Harbour	30.68	38	P	P	01 47 21.3 -0.1
GCSA	Galena City Sc	24.21	64	P	P	01 46 23.8 +0.2	COLA	College	27.50	59f	eP	P	01 46 54.2 +1.0	L27K	Beaver Creek	30.71	59	P	P	01 47 22.3 +0.4
M14K	Bethel	24.27	75	P	P	01 46 25.4 +1.3	POKR	Poker Plat Res	27.52	58	P	IAMB	01 46 54.6 +1.2	ZALV	Zalesovo Beam	30.81	277	LR	LR	02 01 05.2
M14K	Bethel	24.27	75	P	P	01 46 23.7 -0.5	POKR	Poker Plat Res	27.52	58	P	P	01 46 53.1 -0.4	EYAK	Cordova Ski Ar	30.82	65	P	P	01 47 22.4 -0.2
F21K	Alatina River	24.35	57	IAMB	IAMB	01 46 28.1	O18K	Koktuh Hills	27.53	72	P	P	01 46 52.9 -0.7	F31M	Tsightchic	30.85	48	P	P	01 47 23.5 +0.5
F21K	Alatina River	24.35	57	P	P	01 46 24.2 -0.6	D27M	Malina River	27.62	48	P	P	01 46 54.1 -0.3	DAWY	Satoh River	30.97	56	P	P	01 47 23.3 -0.9
D23K	Nanushuk River	24.60	52	P	P	01 46 28.6 +1.5	Q16K	King Salmon	27.67	75	P	P	01 46 54.0 -0.7	BMRM	Bremner River	30.99	64	P	P	01 47 23.7 -0.6
D23K	Nanushuk River	24.60	52	IAMB	IAMB	01 46 30.9	MCK	McKinley	27.72	62	P	P	01 46 54.7 -0.5	G31M	Satoh River	30.99	49	P	P	01 47 24.0 -0.2
D23K	comp=Z,16nm,1.1s						SKT	Skwentna	27.72	66	P	P	01 46 54.7 -0.7	M27K	Edge Creek, AK	31.13	60	P	P	01 47 26.0 +0.3
D23K	Nanushuk River	24.60	52	P	P	01 46 26.6 -0.5	P18K	Big Mountain,	27.80	73	P	P	01 46 55.1 -0.9	J29N	Klondike Camp	31.15	55	P	P	01 47 25.7 0.0
H20K	Anotieneega Mo	24.61	61	P	P	01 46 27.7 +0.5	G26K	Porcupine Rive	27.84	53	P	P	01 46 55.8 -0.4	Q23K	Middleton Isla	31.30	67	P	P	01 47 27.4 +0.5
G21K	Allakaket	24.65	58	P	P	01 46 27.4 -0.2	IL31	IL31	27.90	59	P	IAMB	01 46 55.7 +0.7	I30M	Mount Dempster	31.31	53	IAMB	IAMB	01 47 29.4
K17K	Iditarod	24.68	69	P	P	01 46 28.0 +0.2	ILAR	Eielson Array	27.90	59	P	P	01 46 57.7 +0.8	I30M	Mount Dempster	31.31	53	P	P	01 47 27.0 -0.2
F22K	John River	24.69	56	P	P	01 46 28.1 +0.2	ILAR	Eielson Array	27.90	59	P	P	01 46 57.2 +0.4	BVCY	Beaver Creek	31.47	60	P	P	01 47 28.7 +0.2
L16K	Owhat River	24.75	72	P	P	01 46 28.7 +0.2	ILAR	Eielson Array	27.90	59	P	P	01 46 57.7 +0.8	H31M	Peel River	31.63	51	P	P	01 47 30.3 +0.4
M15K	Kasigluk River	24.82	74	P	P	01 46 29.0 -0.1	ILAR	Eielson Array	27.90	59	P	P	01 46 56.6 -0.5	J30M	Hart River	31.72	54	IAMB	IAMB	01 47 32.2
N14K	Kuskokwak Cree	24.86	77	P	P	01 46 29.3 -0.1	ILAR	Eielson Array	27.90	59	P	P	01 46 57.7 +0.8	J30M	Hart River	31.72	54	IAMB	IAMB	01 47 30.2 -0.7
J18K	Innoko River	24.91	66	P	P	01 46 28.9 -1.0	SPCR	Spurr Chakacha	27.91	68	P	P	01 46 56.6 -0.5	K30M	Hart River	31.72	54	IAMB	IAMB	01 47 30.8 0.0
C24K	Franklin Bluff	24.96	50	P	P	01 46 30.0 -0.3	E27K	Coleen River	27.94	50	P	P	01 46 57.0 -0.3	KAIM	Kayak Island	31.73	65	P	P	01 47 30.8 0.0
L17K	Donlin	24.99	70	P	P	01 46 30.3 -0.3	CUT	Chulitna	27.96	65	P	P	01 46 57.2 -0.2	K29M	Barlow Dome	31.76	56	P	P	01 47 31.4 +0.2
J19K	Poorman	25.06	65	P	P	01 46 32.0 +0.7	PRP	Porcupine Dome	27.98	57	P	P	01 46 57.9 +0.1	L29M	L29M	32.01	57	P	P	01 47 33.6 +0.3
J19K	Poorman	25.06	65	IAMB	IAMB	01 46 39.7	R16K	Pilot Point	28.00	78	P	P	01 46 58.1 +0.4	YUK3	Moose Creek	32.02	60	P	P	01 47 33.1 -0.5
J19K	Poorman	25.06	65	P	P	01 46 31.2 -0.1	HDA	Harding Lake	28.07	59	P	P	01 46 58.8 +0.4	M29M	Somme Creek	32.31	58	P	P	01 47 36.0 0.0
I20K	Naaghedeneel	25.09	62	P	P	01 46 31.6 +0.1	D28M	Stokes Point	28.27	47	P	P	01 46 59.6 -0.5	MESA	MESA	32.50	63	P	P	01 47 37.6 -0.1
TOLK	Toolik Lake Re	25.10	52	P	P	01 46 32.0 +0.4	E28M	Babbage River	28.39	49	P	P	01 47 01.2 0.0	C36M	Paiatuk	32.57	41	P	P	01 47 39.5 +1.5
TOLK	Toolik Lake Re	25.10	52	IAMB	IAMB	01 46 35.4	E28M	Babbage River	28.39	49	P	P	01 47 01.4 +0.2	YUK8	Steele Glacier	32.59	61	P	P	01 47 39.1 +0.5
TOLK	Toolik Lake Re	25.10	52	P	P	01 46 31.5 -0.2	O20K	Slope Mountain	28.42	70	P	P	01 47 01.1 -0.5	O28M	Mount Upton	32.77	62	P	P	01 47 40.1 -0.1
D24K	Happy Valley	25.14	51	IAMB	IAMB	01 46 34.3 +0.2	J25K	Salcha River	28.53	58	P	P	01 47 02.3 -0.2	M30M	Minto, Yukon	32.82	57	P	P	01 47 41.6 +1.2
D24K	Happy Valley	25.14	51	P	P	01 46 33.1 +1.2	CAPN	Capin Cook N	28.59	68	P	P	01 47 02.0 -1.0	YUK4	Talbot Arm	32.96	60	P	P	01 47 41.8 0.0
G22K	Bettles	25.18	57	P	P	01 46 32.7 +0.4	G27K	Doyon Strip	28.63	53	IAMB	IAMB	01 47 05.6	JUNU	Nakatsue	33.09	201	LR	LR	02 01 13.6
H21K	Melozitna Rive	25.30	60	P	P	01 46 34.0 +0.6	G27K	Doyon Strip	28.63	53	P	P	01 47 03.2 -0.2	PINM	Pinnack	33.19	62	P	P	01 47 43.7 0.0
H21K	Melozitna Rive	25.30	60	IAMB	IAMB	01 46 36.9	Q19K	Cape Douglas,	28.73	73	P	P	01 47 03.6 -0.7	YUK6	Outpost Mouta	33.33	60	P	P	01 47 45.3 +0.2
H21K	Melozitna Rive	25.30	60	P	P	01 46 34.3 +0.9	F28M	Old Crow	28.79	51	P	P	01 47 05.5 +0.7	N30M	Aishikik Lake	33.45	59	P	P	01 47 47.1 +1.2
E23K	Chandalar	25.34	54	P	P	01 46 34.2 +0.4	F28M	Old Crow	28.79	51	P	P	01 47 03.6 -1.2	SPITS	Spitsbergen Ar	33.50	343	P	P	01 47 46.0 -0.1
M16K	Timber Creek	25.34	73	P	P	01 46 33.5 -0.2	K24K	Donnelly Dome	28.84	60	P	P	01 47 05.1 -0.2	O29M	Mount Kennedy	33.68	61	P	P	01 47 49.0 +1.0
N15K	Kwethluk River	25.36	75	P	P	01 46 33.8 -0.3	PMR	Palmer	28.88	66	P	P	01 47 05.6 +0.1	HYT	Haines Junctio	33.72	60	P	P	01 47 49.0 +0.7
O14K	Tiguykaiuveit M	25.43	78	P	P	01 46 34.4 -0.1	I26K	Coal Creek Min	28.93	56	P	P	01 47 06.0 0.0	N31M	Braeburn, Yuko	33.90	58	P	P	01 47 50.6 +0.8
TTA	Tatalina	25.46	67	P	P	01 46 34.7 -0.3	RC01	Rabbit Creek A	28.94	67	P	P	01 47 06.7 +0.6	M31M	Drury Creek, Y	33.91	56	P	P	01 47 50.0 +0.1
COLD	Coldfoot	25.50	56	P	P	01 46 35.4 +0.2	H27K	Steamboat Moun	28.99	54	P	P	01 47 07.1 +0.6	FARO	Faro, Yukon	34.26	56	P	P	01 47 52.4 -0.5
J20K	Nowinta River	25.53	64	P	P	01 46 35.8 +0.3	CHNA	Chernabura Isl	28.99	84	P	P	01 47 06.8 +0.2	O30N	Mendenhall	34.27	59	P	P	01 47 52.6 -0.4
L18K	Granite Moutna	25.58	69	P	P	01 46 36.5 +0.6	E29M	Blower River	29.02	48	P	P	01 47 07.2 +0.4	P30M	Million Dollar	34.40	60	P	P	01 47 54.3 +0.2
MOY	Mondy	25.67	259	eP	P	01 46 38.3 +1.3	SML	Sawmill	29.05	65	P	P	01 47 07.5 +0.4	WHY	Whitehorse	34.78	59	P	P	01 47 57.2 -0.4
MOY	Mondy	25.67	259	P	P	01 46 38.3 +1.3	HOM	Home	29.07	70	P	P	01 47 07.8 +0.4	PLBC	Pleasant Camp	35.07	61	P	P	01 47 59.7 -0.2
H22K	Ishitalitna Cre	25.70	59	P	P	01 46 37.5 +0.4	RIDG	Independent Ri	29.22	60	P	P	01 47 08.7 +0.1	N32M	Quiet Lake	35.09	57	P	P	01 47 59.9 -0.2
ZAK	Zakamensk	25.71	255	eP	P	01 46 38.2 +0.8	KNK	Knik Glacier	29.24	65	P	P	01 47 07.9 -0.9	SKAG	Skagway	35.45	60	P	P	01 48 02.9 -0.2
ZAK	Zakamensk	25.71	255	P	P	01 46 38.2 +0.8	J26L	Joseph Creek	29.24	58	P	P	01 47 07.0 -1.9	KURK	Kurchatov	35.77	278	P	P	01 48 06.0 +0.1
E24K	Your Creek	25.71	53	P	P	01 46 37.4 +0.3	R18K	Karluk	29.28	76	P	P	01 47 07.5 -1.6	KURK	Kurchatov	35.77	278	P	P	01 48 06.5 +0.6
N16K	Nishilik Lake	25.73	74	P	P	01 46 37.7 +0.4	M23K	Glacier View	29.29	64	P	P	01 47 08.8 -0.8	P33M	Teslin, Yukon	35.83	58	P	P	01 48 06.3 -0.2
M17K	Holitna River	25.73	71	P	P	01 46 38.0 +0.7	I27K	Kandik River	29.30	55	P	P	01 47 09.0 -0.4	KURB	Kurchatov Arra	35.88	278	P	P	01 48 06.5 -0.4
G23K	Bananza Creek	25.80	57	P	P	01 46 38.														

Table with columns for station name, frequency, power, and other technical details. Includes stations like ASAR, KDU, GUMO, MTN, DRS, WRKA, FORT, SWI, MSAI, AAI, KMBL, NLAI, SOEI, SNTI, TNTI, BATI, SANI, PSAA0, MBWA, MBWA, MMRI, MEEK, KLBK, NWAJO, NWAJO, RKGJ, KDI, KMSI, BLDU, VNSA, MUN, LUWI, AUHAR, MORW, MORW, WBSI, APSI, MRSI, KAPI, KAPI, KAPI, KAPI, TTSI, PLAI, PLAI, TOLIZ, TOLIZ, GIRL, PCI, TWSI, CCD, CCD, JAGI, JAGI, GMJI, MJAR, MAJO, MAJO, MAJO, KKM, KKM, KKM, PCJI, UJU, UJU, STKI, JKA, ASAJ, SBUM, SBUM, KPJI, QSPA, QSPA, QSPA, TWSB, UNV, YULB, YULB, NACB, SSSL, SSSL, SSSL, BSMJ, KSM, CNJI, YSS, YSS, PETK.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SKJI, CHNA, P08K, CGJ, KRSR, QZH, SPIA, CHIR, PPBI, USRK, LWLI, MDSI, R16K, OHAK, R18K, Q17K, O14K, O15K, KDAK, NJ2, MDJ, MDJ, MDJ, Q20K, Q19K, N15K, P18K, O17K, MYKOM, J04A, M14K, M15K, O18K, P19K, L14K, M16K, HOM, K13K, N18K, CN2, CN2, CN2, O20K, L15K, KLR, BNX, BRSE, N19K, L16K, M17K, R11B, K15K, K15K, WHN, M18K, SEW, J14K, Q23K, L17K, CAPN, O22K, MA2, P23K, SPCR, GAMG, L18K, TIA, TIA, BELA, BELA, K17K, R19K, L01K, PWL, U15A, J16K, JAIM.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CRAG, GLI, SKT, L20K, EYAK, J17K, TTA, M22K, KNK, PMR, I17K, SIT, GHO, U33K, V35K, J18K, J18K, ANM, IPM, SML, M23K, BMRM, PPLA, MESA, SCM, SCM, K20K, K20K, KLU, H16K, HEH, HEH, S32K, WRAK, G15K, KULM, KULM, J19K, 121A, CAST, CAST, N25K, N25K, TNA, F14K, M24K, M24K, MAW, H17K, U35K, J20K, R32K, KTH, G16K, HNS, HNS, TRF, CHUM, SEY, GCSA, F15K, O28M, HARP, O29M, BJT, BJT, BJT, RND, RLB, G17K, HLD, LYN, LYN, PSI, BPAW, MCK, P30M, SKAG, YUKK, M26K, ENH, H19K, YUK3, G18K, S34M.

27d 1h

2019 JAN

1584

Table with columns: HYT, Haines Junction, 85.10, 19, P, P, 02 02 42.3 -1.3, etc. Lists various locations and their associated data points.

Table with columns: I26K, Coal Creek Min, 87.27, 14, Iamb, Iamb, 02 02 55.2, etc. Lists various locations and their associated data points.

Table with columns: D25K, Kavik River, 90.07, 11, P, P, 02 03 05.6 -1.0, etc. Lists various locations and their associated data points.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like RUE Ruetersdorf, STNU Starunia, KSV Kosov, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like WLF Walferdange, HERR Herculeme, MOA comp=2.4,8nm,0.7s, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other technical details. Includes stations like PBDV, MESJ, MESJ, etc.

Technical notes and coordinates: CNRM 27 02:25:36.0, 36°46'N, 11°66'W, h106km, ML3.7. MDD 27 02:25:42.2, 0.4, 36°46'N, 11°33'W, h40km, Mb4.6/43, az=82.0, IGL 27 02:25:43.2, 36°46'N, 11°25'W, h45km, ML3.4, INMG 27 02:25:43.7, 1.1, 36°47'N, 11°27'W, h31km, 7km, ML3.3, Error ellipse: s-maj=3.7km s-min=2.9km az=75.0, *DIST_RANGE: #RANGE: #PMA_REGION: Gorringe, ISC 27 02:25:40.3, 1.2, 36°46'N, 11°24'W, 0.06, h35km, n118, z=204/193, 31C-4D, Azores-Cape St Vincent Ridge

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like JMB, KDZE, PLD, ANTO, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SIM, SIMP, SIMS, SIMM, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MKAR, MKAP, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like BELG, FINES, TORO, KURBB, MKAR.

IDC 27 03:40:47.7, 0.4, 54N, 130.11 W, h0km, mb4, 1/14, mtbmp4, 1/20, ML3, 7/6, MS3, 7/30, Error ellipse: s-maj=26.3km s-min=10.9km az=37.0, NEIC 27 03:40:50.6, 2.0, 44.47N, 0.109, 130.0W, 0.2, h10km, 2km, mb4, 4/159, ML3, 6/38, Error ellipse: s-maj=20.4km s-min=13.8km az=250.0

ISC 27 03:40:51.2, 0.6, 44.51N, 0.08:130.05W, 0.08, h15km, n390, 0.99/297, mb4, 4/71, MS3, 7/24, Off coast of Oregon

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like HO2E, J01E, RADR, F03A, COR, G03D, K02D, BUCK, WISH, DBO, C03A, NLWA, F04D, O2B, I04A, H04A, J04A, CLRS, YBH, Y05D, G06A, KCPH, O02D, BBB, LLLB, NEW, NVAR, NV11, V35K, CRAG, HLID, MISO, ELK, DSP, US3K, WRAK, R11B, T35M, SIT, BGU, S32K, S34M, DLBC, S31K, R32K, Q32M, V12A, ELS, TOAD, R33M, PDAR, PFO, P32M, SKAG, PLBC, P18A.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like W13A, U15A, P33M, P30M, O30N, O30N, PINM, LAO, HYT, YUK6, MESA, N31M, O28M, N30M, YUK4, KAIM, YUK8, FARO, M31M, Q23K, D23A, DGMT, YUK3, M30M, EYAK, BMRJ, M29M, P23K, S22A, BVCY, WRGLY, N25K, M27K, M27K, L29M, KDAK, KDAK, GLI, OHAK, TUC, Q24A, SII, KLU, M26K, M26K, SEW, PWL, Q20K, BCAR, L27K, Q29M, HARP, M24K, M24K, HOM, R18K, L26K, MENT, SCM, KNK, YKA, YKA, M23K, RC01, RC01, DAWY, DAWY, SML, Q19K, J30M, ANMO, ANMO, ANMO, PMR, PMR, PAX, PAX, Y19K, Y12D, Y22D, T25A, FFC, FFC.

Main station list table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like M22K, 319A, Q17K, RIDG, RIDG, SCRCR, SCRCR, 121A, 121A, I30M, SPCR, EGAK, MDND, K24K, STLK, O19K, J26L, CUT, H31M, H31M, 181K, SKT, SKT, CHNA, O18K, I28M, P17K, RND, N19K, J25K, J25K, M20K, M20K, MCK, K30B, K30B, I26K, I27K, HDA, HDA, SUSD, RTBA, EPYK, EPYK, TRF, H29M, H29M, N18K, O17K, P16K, ILR1, ILAR, PPLA, WRH, CCB, G31M, H27K, O16K, L20K, PRP, PRP, CAST, N17K, M18K, NEA2, NEA2, G30M, P30K, L19K, G29M, BPAW, F31M, CHUM, G27K, O15K, I23K, I23K, K20K, M17K, F30M, H25L, H24K, H24K.

Table of station data for 1589, including station ID, name, coordinates, and various parameters. Includes stations like Granite Mounta, Fort Yukon, Porcupine, Lac du Bonnet, etc.

Table of station data for 2019 JAN, including station ID, name, coordinates, and various parameters. Includes stations like Nanushuk River, Shurruk Mo, Kiwialik Mounta, etc.

Table of station data for 27d 3h, including station ID, name, coordinates, and various parameters. Includes stations like Miyako jima3, Miyako jima2, Miyako jima, etc.

27d 4h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like H08S3 Diego Garcia H, H08S1 Diego Garcia H, KMI Kunming, etc.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KURK Kurchatov, BBOC Buckleboo, RAYN Ar Rayn, etc.

1592

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like PDAR Pinedale Array, ANMO Albuquerque, CPUP Villa Florida, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CMIG, JCTA, Odesa, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ELK, SPUT, HWGNE, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SCHQ, M27K, N25K, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Wanaqama, Kota Kinabatu, Sibun, Kunigami, Kurokawa, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MARD Mardin, NACGM Naroch, PABE Paberze, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CTU Camp Tracy, HRU Hogsback Ridge, RBU Red Butte Canyon, etc.

BUJ 07:26:45.31, 11:24N:126:14E, h33km, mB5.1/25, mb4.9/76, Ms4.6/53, Ms7.4/45, MAN 27:06:53.4, 11:55N:125:97E, h13km, mb5.5, ML4.5, MS4.8, MAN INTENSITY IV - GENERAL MACARTHUR HERNANI AND SALCEDO EASTERN SAMAR; INTENSITY III-BORNEAN CITY; DOLORES MAYDOLONG QUINIGANDAN AND SAN JULIAN EASTERN SAMAR; TALABOG CITY; BABATINGON AND BARUGO LEYTE; INTENSITY II - PALO LEYTE, MOS 27:06:53.9, 0.8, 11:49N:125:79E, h33km, mb5.3/62, Error ellipse: s-maj=8.0km s-min=4.2km az=117.5, IDC 27:06:54.5, 4.2, 0.1146N:125:83E, h33km, mb4.7/32, mbmp4.9/35, ML4.1/2, MS3.9/45, Error ellipse: s-maj=16.1km s-min=9.2km az=74.0, GCMT 27:06:57.0, 4.1, 11:53N:126:02E, 0.03, h30km, MV4.9/61, Moment Tensor Solution, s27_c28; s61_c73; Duration: 0 Moment tensor: Scale 1016Nm; Mr-3.12c22; Mw0.82c12; Mm2.30c14; Mm0.19c17; Mw-1.01c06; Mw-0.59c18; Best double couple: Ms3.02/400:1016 N1=152.00000; 339.00000; 1-32.00000; NP2: 0.3350000; 851.00000; -1.88.00000; Principal axes: T 2.8690, P16.0000, Azm63.0000; N 0.3080, P1.0000, Azm135.0000; P -3.1800, P16.0000, Azm257.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function, NEIC 27:06:54.56, 7.1, 11:51N:126:02E, 0.09, h35km, 1km, mb5.0/224, Error ellipse: s-maj=14.5km s-min=10.5km az=254.0

27d 6h

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like PNHZ, GVZ, MRZ, TUZ, SYZ, IBFZ, TNA, K13K, F14K, M19K, ANM, J14K, L14K, F15K, G15K, N14K, M14K, O14K, C16K, L15K, CHNA, K15K, H16K, M15K, G16K, O15K, D17K, J16K, RDOG, C17K, I17K, E17K, L16K, F17K, G17K, M16K, N16K, H17K, I17K, O16K, J17K, B17K, J18K, E18K, I18K, R16K, C18K, C18K, K17K, L17K, K17K, F18K, M17K, O17K, AKT, N17K, G18K, H18K, Q16K, BELG, P17K, L18K, Q17K, F19K, J18K, GCSA, D19K, D19K, N18K, G19K, M18K, TTA, E19K, E19K, H19K, H19K, O18K, J19K, D20K, R18K, L19K, L19K.

2019 JAN

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like E20K, SII, F20K, N19K, N19K, O19K, H20K, I20K, Q19K, K20K, J20K, L20K, C21K, P19K, A22K, M20K, M20K, E21K, E21K, G21K, G21K, KDAK, KDAK, F21K, O20K, GNI, GNI, Q20K, H21K, SPCR, B22K, B22K, CHUM, PPLA, CAST, CAST, D22K, I21K, I21K, HOM, SKT, E22K, E22K, G22K, NCK, NCK, H22K, BPAW, BPAW, KTH, RAYN, RAYN, BRSE, D23K, D23K, TRF, CUT, CUT, KBZ, KBZ, M22K, M22K, COLD, G23K, G23K, KIV, KIV, KIV, KIV, SHA1, O22K, E23K, E23K, TOLK, TOLK, I23K, SEW, VRH, VRH, NEA2, NEA2, PMR, PMR, PMR, MCK.

1600

Table with columns for station ID, name, elevation, frequency, and other parameters. Includes stations like D24K, D24K, RND, C24K, E24K, E24K, KNK, KNK, SML, SML, PWL, PWL, WRH, F24K, F24K, H24K, H24K, COLA, COLA, COLA, COLA, G24K, G24K, M23K, POKR, POKR, KLMR, KLMR, SCM, P23K, HDA, ILAR, ILAR, D25K, D25K, GLI, GLI, F25K, F25K, E25K, E25K, H25L, M24K, M24K, VORR, VORR, VORD, VORD, PRP, VSR, VSR, FYU, LPSR, LPSR, KLU, KLU, J25K, VSLR, VSLR, PAX, EYAK, BMAR, SOC, SOC, SOC, SOC, SOC, HARP, F26K, C27K, C27K, RIDG, MOS, MOS, MOS, G26K, N25K, N25K, BMRM, SCRK, J26L, MENT, I26K, GLB, L26K, OBN, OBN.

OBN		e	06 37 15.7	comp=Z,12nm,1.1s					
OBN		pmx	06 40 06.6	baz=283					
OBN	comp=Z,52nm,1.7s	MLR							
OBN	comp=Z,141nm,17.0s	MLR							
OBN	Obninsk	80.28 324	P	P	06 37 02.9	-0.3			
E27K	Coleen River	80.36 22	Iamb	Iamb	06 37 05.7				
E27K	Coleen River	80.36 22	P	P	06 37 04.1	+0.7			
APA	Apafity	80.41 337	i/P	P	06 37 02.9	-0.7			
APA			i		06 37 12.7				
APA	comp=Z,18nm,0.8s		pmx	pmx					
APA	comp=Z,500nm,18.0s		MLR	MLR					
M26K	Nabesna, AK	80.43 28	P	P	06 37 04.5	+0.5			
G27K	Doyon Strip	80.50 24	P	P	06 37 04.8	+0.6			
H27K	Steamboat Moun	80.62 24	P	P	06 37 04.4	-0.4			
I27K	Kandik River	80.66 25	P	P	06 37 05.9	+0.8			
L27K	Beaver Creek, AK	80.89 27	P	P	06 37 07.0	+0.7			
BCAR	Beaver Creek A	80.90 27	P	P	06 37 06.4	-0.1			
M27K	Edge Creek, AK	80.95 28	P	P	06 37 07.0	+0.2			
EGAK	Eagle	80.95 26	P	P	06 37 07.0	+0.4			
EGAK	baggage River	81.06 22	Iamb	Iamb	06 37 09.3				
E28M	Babbage River	81.06 22	P	P	06 37 07.9	+0.8			
F28M	Old Crow	81.08 23	Iamb	Iamb	06 37 09.4				
F28M	Old Crow	81.08 23	P	P	06 37 07.7	+0.4			
MESA	MESA	81.20 30	P	P	06 37 08.3	+0.0			
D28M	Stokes Point	81.23 21	P	P	06 37 09.4	+1.4			
I28M	Miner Creek	81.37 25	Iamb	Iamb	06 37 11.3				
I28M	Miner Creek	81.37 25	P	P	06 37 09.7	+0.7			
BCVY	Beaver Creek	81.41 28	P	P	06 37 09.4	+0.2			
E29M	Blow River	81.69 22	P	P	06 37 10.8	+0.3			
YUK3	Moose Creek	81.69 29	P	P	06 37 11.5	+0.6			
DAWY	Dawson	81.82 26	Iamb	Iamb	06 37 14.0				
DAWY	Dawson	81.82 26	P	P	06 37 11.4	+0.1			
H29M	Whitestone	81.89 24	Iamb	Iamb	06 37 13.7				
H29M	Whitestone	81.89 24	P	P	06 37 12.6	+1.1			
G29M	Pine Creek	81.90 23	P	P	06 37 12.6	+0.9			
JOF	Joensuu	81.94 333	eP	P	06 37 11.4	-0.4			
O28M	Mount Upton	81.98 30	P	P	06 37 13.4	+0.9			
PINM	Pinnacle	82.05 30	P	P	06 37 13.1	+0.5			
I29M	Ogilvie Camp	82.06 25	P	P	06 37 13.3	+0.8			
YUK6	Steele Glacier	82.10 29	P	P	06 37 13.7	+0.6			
GAZ	Gaziantep	82.11 306	Iamb	Iamb	06 37 31.6				
J29N	Klondike Camp	82.26 26	Iamb	Iamb	06 37 15.7				
J29N	Klondike Camp	82.26 26	P	P	06 37 14.3	+0.7			
M29M	Somme Creek	82.51 28	Iamb	Iamb	06 37 18.8				
M29M	Somme Creek	82.51 28	P	P	06 37 16.2	+1.2			
EPYK	Eagle Plains	82.51 24	Iamb	Iamb	06 37 16.3				
EPYK	Eagle Plains	82.51 24	P	P	06 37 15.7	+0.8			
L29M	L29M	82.54 27	P	P	06 37 16.2	+1.1			
G30M	tAoh Zraii Nji	82.58 23	Iamb	Iamb	06 37 16.4				
G30M	tAoh Zraii Nji	82.58 23	P	P	06 37 15.8	+0.6			
F30M	Barrier River	82.62 22	P	P	06 37 15.6	+0.3			
YUK4	Talbot Arm	82.62 29	P	P	06 37 15.5	-0.2			
K29M	Barlow Dome	82.67 26	Iamb	Iamb	06 37 18.2				
K29M	Barlow Dome	82.67 26	P	P	06 37 16.3	+0.4			
SPITS	Spitsbergen Ar	82.75 349	P	P	06 37 16.1	+0.2			
SPITS	comp=Z,12nm,0.7s, baz=106,slow=11,SNR=18		LR	LR	07 19 26.3				
YUK6	Outpost Mounta	82.83 29	P	P	06 37 16.6	-0.2			
O29M	Mount Kennedy	82.84 30	P	P	06 37 17.7	+0.9			
I30M	Mount Dempster	82.82 30	P	P	06 37 17.6	+0.7			
ARCES	ARCESS Array B	82.98 24	P	P	06 37 16.9	0.0			
ARCES	comp=Z,6.9nm,0.5s, baz=79,slow=6.3,SNR=72		LR	LR	07 16 44.3				
PUL	Pulkovo	82.95 330f	eP	pmx					
PUL	comp=Z,7.1nm,19.5s, baz=111,slow=38								
J30M	Hart River	83.03 26	P	P	06 37 18.4	+0.6			
ABPO	Ambohpanom	83.21 249	P	Iamb	06 37 18.1	-1.3			
ABPO	comp=Z,16nm,0.7s		Iamb	Iamb	06 37 19.7				
ABPO	Ambohpanom	83.21 249	P	pmx	06 37 18.2	-1.3			
SIM	Simferopol	83.23 314	eP	pmx	06 37 18.0	-0.9			
M30M	Minto, Yukon	83.24 28	P	Iamb	06 37 19.7	+0.9			
M30M	comp=Z,30nm,0.9s		Iamb	Iamb	06 37 20.7				
M30M	Minto, Yukon	83.24 28	P	P	06 37 19.6	+0.9			
HYT	Haines Junction	83.27 29	Iamb	Iamb	06 37 22.2				
HYT	Haines Junction	83.27 29	P	P	06 37 19.5	+0.5			
INK	Inuvik	83.29 22	P	P	06 37 18.6	-0.2			
INK	Inuvik	83.29 22	P	P	06 37 19.1	+0.3			
INK	Inuvik	83.29 22	P	pmx	06 37 18.6	-0.2			
N30M	Aishikik Lake	83.34 29	Iamb	Iamb	06 37 21.4				
N30M	Aishikik Lake	83.34 29	P	P	06 37 19.9	+0.7			
G31M	Satah River	83.35 23	Iamb	Iamb	06 37 20.2				
G31M	Satah River	83.35 23	P	P	06 37 19.5	+0.4			
F31M	Tsigheitchik	83.42 22	Iamb	Iamb	06 37 20.1				
F31M	Tsigheitchik	83.42 22	P	P	06 37 19.4	0.0			
H31M	Peel River	83.58 24	Iamb	Iamb	06 37 21.9				
H31M	Peel River	83.58 24	P	P	06 37 20.7	+0.3			
P30M	Million Dollar	83.67 30	P	P	06 37 21.4	+0.4			
N31M	Braeburn, Yuko	83.94 29	P	P	06 37 23.1	+0.8			
O30M	Mendenhall	83.95 29	Iamb	Iamb	06 37 34.3				

O30N	Mendenhall	83.95 29	P	P	06 37 23.2	+0.8			
P30N	Pleasant Camp	84.11 31	P	P	06 37 24.0	+0.8			
MMAI	Mount Meron Ar	84.23 302	P	P	06 37 24.5	0.0			
VOI	Yohitsuka	84.33 246	P	P	06 37 23.4	-1.7			
KIRS	Kirehir-Merke	84.36 309	i/P	P	06 37 24.3	-0.7			
M31M	Dru Creek, Y	84.42 28	P	P	06 37 25.0	+0.3			
M31M	comp=Z,14nm,0.8s		Iamb	Iamb	06 37 26.7				
M31M	Dru Creek, Y	84.42 28	P	P	06 37 25.3	+0.6			
BR131	Keskin Array S	84.47 309	P	P	06 37 24.4	-1.2			
BR131	comp=Z,7.1nm,0.8s		Iamb	Iamb	06 37 35.0				
BR131	Johitsuka	84.47 309	i/P	P	06 37 24.5	-1.2			
BRTR	Keskin Array B	84.47 309	P	P	06 37 24.4	-1.1			
BRTR	Keskin Array B	84.47 309	P	P	06 37 24.2	-1.4			
BRTR	comp=Z,3.1nm,0.8s, baz=100,slow=4.7,SNR=23								
BRTR	Keskin Array S	84.47 309	P	P	06 37 24.4	-1.2			
BR104	Keskin Array S	84.47 309	P	P	06 37 24.6	-1.0			
WHY	Whitehorse	84.56 29	P	P	06 37 27.0	+1.5			
WHY	Whitehorse	84.56 29	P	P	06 37 26.5	+0.9			
SKAG	Skagway	84.62 30	P	P	06 37 26.8	+1.1			
SKAG	Skagway	84.62 30	P	P	06 37 27.6	+1.9			
FIA1	FINESS Array S	84.64 332	P	P	06 37 25.5	-0.2			
FINES	FINESS Array B	84.64 332	P	P	06 37 25.1	-0.6			
FINES	comp=Z,15nm,0.5s, baz=75,slow=4.4,SNR=187								
FINES	comp=Z,1.6nm,0.8s, baz=151,slow=4.4,SNR=3.4								
A36M	Sachs Harbour	84.86 17	P	P	06 37 27.1	+0.4			
A36M	Sachs Harbour	84.86 17	P	P	06 37 27.0	+0.4			
FARO	Faro, Yukon	84.89 28	P	P	06 37 27.9	+0.8			
KEF	Keuruu	85.01 332	eP	P	06 37 26.9	-0.7			
VSU	Vasula	85.04 329	i/P	pmx	06 37 26.2	-1.6			
ARBE	Arbavere	85.18 330	P	P	06 37 28.1	-0.3			
ELAT	Elat	85.20 299	LR	LR	07 20 40.2				
N32M	Quiet Lake	85.29 29	P	P	06 37 30.0	+0.9			
R32K	Eaglecrest	85.31 32	P	P	06 37 29.8	+0.6			
NOR	Nord	85.33 355	i/P	Iamb	06 37 27.6	-1.3			
NOR	comp=Z,18nm,1.1s		Iamb	Iamb	06 37 30.0				
MNK	Minsk	85.34 325	i/P	P	06 37 28.0	-1.4			
MNK	comp=Z,3nm,0.9s		i/PPP	PPP	06 40 45.9				
MNK	comp=Z,3nm,0.9s		i/S	SKSac	06 47 49.5	-1.6			
MNK	comp=Z,3nm,0.9s		i/SSS	SS	06 53 32.8	+1.0			
MNK	comp=Z,47nm,1.0s		pmx	pmx	06 57 04.3				
MNK	comp=N,26nm,1.1s		pmx	pmx					
MNK	comp=E,31nm,0.8s		MLR	MLR					
MNK	comp=N,155nm,19.0s		MLR	MLR					
MNK	comp=Z,248nm,17.0s		MLR	MLR					
AK09	Main Array Si	85.36 321	P	P	06 37 28.5	-1.1			
AK03	Main Array Si	85.38 321	P	P	06 37 28.4	-1.3			
AKAS	Main Array Be	85.38 321	P	P	06 37 28.7	-1.0			
AKASG	comp=Z,13nm,0.9s, baz=66,slow=6.6,SNR=44								
AKASG	comp=Z,0.3nm,0.6s, baz=68,slow=8.8,SNR=4.4		LR	LR	07 18 48.5				
AKASG	comp=Z,87nm,19.0s, baz=60,slow=38								
AKASG	comp=Z,3nm,0.9s		pmx	pmx					
AKASG	Malin Array Be	85.38 321	i/P	P	06 37 28.7	-1.0			
AKAB	Main Array Si	85.38 321	P	P	06 37 29.1	-0.6			
AKAB	Main Array Si	85.38 321	P	pmx	06 37 29.1	-0.6			
AKAB	comp=Z,34nm,1.1s		pmx	pmx					
AKB2	Main Array Si	85.38 321	P	P	06 37 28.7	-1.0			
P32M	Atlin	85.39 30	P	P	06 37 30.4	+0.7			
KIEV	Kiev	85.39 321	P	P	06 37 29.1	-0.7			
KIEV	Kiev	85.39 321	i/P	P	06 37 29.0	-0.8			
KIEV	Kiev	85.39 321	P	pmx	06 37 29.1	-0.7			
KIEV	comp=Z,30nm,1.1s		pmx	pmx					
AK16	Main Array Si	85.46 321	P	P	06 37 29.3	-0.8			
SS2K	Killisnoo	85.48 32	P	P	06 37 30.4	+0.4			
P33M	Teslin, Yukon	85.66 29	Iamb	Iamb	06 37 33.1				
P33M	Teslin, Yukon	85.66 29	P	P	06 37 31.6	+0.6			
P33M	comp=Z,26s,SNR=5.5								
VAF	Ylistaro	85.75 334	eP	P	06 37 31.1	-0.2			
MEF	Metsahovi	85.75 331	eP	P	06 37 30.8	-0.5			
PURM	Purcari	85.85 316	i/P	P	06 37 31.7	-0.5			
PURM	Purcari	85.85 316	P	P	06 37 31.6	-0.5			
C36									

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSRS, URZ, ASAJ, USRK, CMAR, KLR, PETK, BRDH, SHEM, SONMI, SONM, VNDA, MKAR, MKAR, ZALV, ZALV, KDAD, KURBB, AAK, NRK, ILAR, ILAR, BVAR, BBB, AKTO, ARTI, ARTI, KIRV, NEW, YKA, PFO, TORD, TORD, DBIC.

IDC 27:07:20:56.3.2.4, 34.96N-22.32E, h0km, mb3.7/8, mbmp3.6/12, ML1.8/2, Error ellipse: s-maj=48.0km s-min=18.7km az=11.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANOYA, BRTR, MMAL, EIL, EIL, KHC, AKASG, ESDC, HFS, FINES, ARCES, KURBB, SPITS, MKAR, ZALV, YKA.

IDC 27:07:24:26.6.1.6, 3.12S-146.31E, h0km, mb3.3/4, mbmp3.5/5, ML1.9/1, Error ellipse: s-maj=59.9km s-min=26.4km az=101.0, Bismarck Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG, WRA, ASAR, MKAR, ILAR.

IDC 27:07:29:03.6.0.7, 36.39N-28.78E, h0km, mb4.0/14, mbmp4.0/24, ML3.7/10, MS3.3/6, Error ellipse: s-maj=14.7km s-min=12.0km az=162.0

ATH 27:07:29:05.8, 36.40N-28.71E, h11km, 1km, ML3.7/5, Manual Solution by A.Moschou This location: 2020/10/07 07:45:02 ML Amplitudes are expressed in micrometers, All distances are expressed in degrees Latitude uncertainty: 2 km, Longitude uncertainty: 1 km

ISK 27:07:29:05.3, 36.49N-28.74E, h8km, ML3.8/53 AFAD 27:07:29:06.0, 36.51N-28.72E, h7km, 3km, MW3.9 THE 27:07:29:06.5, 36.45N-28.79E, h1km, ML3.7/5, Error ellipse: s-maj=1.2km s-min=0.4km az=9.0

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FETHIYE, RHODES, TURUNC, ARKHANGELOS, KASTELLORIZO, YERKESIK, MUGLA, DATCA, DEMRE, ELLI, DENIZLI, YAZI, ACIPAYAM, MILES, KAYABASI, DENIZLI, BODRUM, NISIROU, AKUM, YKAV, ESEN, KORT, KORT, INCE, KEMER, KALYMNOS, DIDIM, ANTLB, AYDB, BRDR, BURCA, GUCAM, GUCAM, BKG, BASM, SMG, SMG, KARAHALLI, ISPARTA, PASA, MANT, MANT, KULA, KIZIL, GMLD, USAK, ULSAK, ZKR, ZKR, ZKR, ZKR, ZKR, ZKR, GORD, ZEYVE, ZEYVE, AKHISAR, AKHISAR, SHUT, SHAP, SEDI, SEDI, APE, SIMA, GEDZ, ALAN, SIMAV, SEYD, THRS, THRE, YVAC, GEDZ, FOCM, SOMA, DOGA, KURO, KARB, KARI, GAZI, EMET, DKL, STEP, TVSB, HDMB, UCKU, IACM, ANZD, ANZD, ANOYA, ANOYA, ANOYA, LADK, BOZYAZI, CIFT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KIZT, SUSR, BERE, LEF, GONE, KRM, SVRH, TEVE, CHBY, IMMV, VLY, ANTO, KIRS, BRTR, MMAL, MMAL, MMAL, ASF, EIL, EIL, CFR, BOVS, BOVS, MLR, PLOI, VLR, DOVR, COOP, MDVR, ONER, TBSR, BZS, KBZ, VYHS, AKASG, VRAC, VRAC, KBA, MOA, KEST, ABTA, LESA, GERES, GERES, WATA, SQT, MOTA, FETA, DAVO, BELG, FINES, AKTO, HFS, ESDC, NOA, ARCES, BVAR, TORD, KURBB, MKAR, MKAR, ZALV, DBIC, CMAR, YKA, ULM, SONMI, MKAR, KURBB, WRA, ASAR, AKASG.

IDC 27:07:36:13.1.1.1, 27.84N-104.40E, h0km, mb3.5/6, mbmp3.5/6, Error ellipse: s-maj=76.8km s-min=19.4km az=58.0, Yunnan

SJA 27:07:38:59.0.6.0, 30.02S-71.39W, h21km, 2km, ML2.7, MW2.5, Error ellipse: s-maj=76.8km s-min=19.4km az=58.0, Yunnan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, OSSC. Includes stations like La Serena, El Pedregal, Juntas del Tor, Las Campanas, etc.

IDC 27 07:54:19.2±52.0, 16.92S:177.27W, h588km, 29km, mb3.0/3, mbtmp3.9/4, Error ellipse: s-maj=912.1km s-min=127.6km az=78.0, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, OSSC. Includes stations like Nonsavu, Stephens Creek, Warramunga Arr, Alice Springs, etc.

STR 27 07:56:03.7±1.1, 43°N, 166°W, h5km, MLv3.0/19, Error ellipse: s-maj=0.0km s-min=0.0km az=121.5, preliminary ROM 27 07:56:05.6±0.1, 43.125N, 104.004E, h1012E, 0.007, h9km, ML2.9/121, Error ellipse: s-maj=0.5km s-min=0.3km az=53.0

IDC 27 07:56:05.0±1.6, 43°22'N, 111°14'E, h0km, mb3.4/3, mbtmp3.5/6, ML3.4/3, MS3.4/1, Error ellipse: s-maj=39.7km s-min=18.7km az=101.0 LDG 27 07:56:06.7±0.1, 43°10'N, 111°02'E, h7km, ML2.7/21, Error ellipse: s-maj=2.9km s-min=2.4km az=35.0 PRU 27 07:56:06.8, 43°15'N, 114°11'E, h1km ISC 27 07:56:05.1±0.8, 43°10'N, 110°02'E, h14km, 5km, n154, s135/194, 3C-1D, Central Italy

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, OSSC. Includes stations like Trifonti, Ribolla Roccas, Frosini, Bibbona, Donoratico (LI), Castiglione de, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, OSSC. Includes stations like Santa Luce (PI), Poggio Pratacco, Casetta, Monte Argentar, Carmignano, Pisa, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, OSSC. Includes stations like Monte La Croce, Sansepolcro, Popiglio, Cardoso, etc.

1605

SARO SASSOROSSO	1.17 338	P	Pg	07 56 27.0	-0.6
SARO	comp=N,1269µm,0.5s	AML	AML		
SARO	comp=N,1269µm,1.5s	AML	AML		
SARO	comp=E,1060µm,0.5s	AML	AML		
SARO	comp=E,1059µm,0.5s	AML	AML		
SARO	comp=N,1266µm,0.5s	AML	AML		
MOMA MONTA MARTANO	1.19 104	P	Pg	07 56 27.6	-0.5
MOMA	comp=E,254µm,1.4s	AML	AML		
MOMA	comp=N,254µm,0.5s	AML	AML		
MOMA	comp=E,254µm,1.4s	AML	AML		
MOMA	comp=E,230µm,1.4s	AML	AML		
MOMA	comp=E,230µm,0.6s	AML	AML		
MOMA	comp=E,254µm,0.6s	AML	AML		
MOMA	comp=N,253µm,0.5s	AML	AML		
MOMA	comp=N,228µm,0.5s	AML	AML		
MOMA	comp=E,198µm,0.4s	AML	AML		
MOMA	comp=E,218µm,0.5s	AML	AML		
MOMA	comp=N,253µm,0.5s	AML	AML		
MOMA	comp=N,228µm,0.5s	AML	AML		
MORSI MORSIGLIA	1.21 264	Pg	Pg	07 56 27.9	-0.5
MORSI	comp=N,190µm,1.3s	AML	AML		
ASSB ASSB	1.22 92	P	Pg	07 56 44.9	+0.8
ASSB	comp=E,190µm,1.3s	AML	AML		
ASSB	comp=N,196µm,0.5s	AML	AML		
ASSB	comp=N,196µm,1.5s	AML	AML		
ASSB	comp=N,196µm,0.5s	AML	AML		
ASSB	comp=E,183µm,0.5s	AML	AML		
TOLF TOLFA	1.27 144	P	Pg	07 56 28.7	-0.8
TOLF	comp=N,435µm,1.0s	AML	AML		
TOLF	comp=E,368µm,0.8s	AML	AML		
TOLF	comp=E,367µm,0.8s	AML	AML		
TOLF	comp=N,435µm,1.0s	AML	AML		
CESI CESI - SERRAVA	1.40 93	P	Pg	07 56 30.8	-1.2
CESI	comp=E,138µm,0.4s	AML	AML		
CESI	comp=E,138µm,1.6s	AML	AML		
CESI	comp=N,137µm,0.6s	AML	AML		
CESI	comp=N,137µm,0.6s	AML	AML		
CESI	comp=E,138µm,0.4s	AML	AML		
MMUR MONTE MURANO	1.50 76	P	Pg	07 56 32.3	-0.9
MMUR	comp=E,436µm,1.4s	AML	AML		
FDMO FLORENTINO	1.53 92	P	Pb	07 56 32.3	-0.9
FDMO	comp=E,100µm,0.8s	AML	AML		
FDMO	comp=N,86µm,0.8s	AML	AML		
FDMO	comp=E,99µm,0.5s	AML	AML		
FDMO	comp=N,96µm,0.8s	AML	AML		
CORI CORINALDO	1.55 69	P	Pb	07 56 33.4	-0.2
CORI	comp=E,458µm,0.9s	AML	AML		
CORI	comp=N,457µm,0.6s	AML	AML		
CORI	comp=E,458µm,0.9s	AML	AML		
CORI	comp=N,457µm,0.6s	AML	AML		
PGF PGIUGLIA	1.57 250	ePn	Pb	07 56 33.4	-0.6
PGF	comp=N,33µm,0.2s	eSn	Sb	07 56 53.0	+0.2
PGF	comp=N,33µm,0.2s	Pn	Pb	07 56 33.4	-0.6
PGF	comp=N,33µm,0.2s	Sg	Sb	07 56 54.2	+0.5
PGF	comp=E,192µm,0.6s	AML	AML		
PGF	comp=E,192µm,0.6s	AML	AML		
PGF	comp=N,190µm,0.8s	AML	AML		
PGF	comp=N,190µm,1.2s	AML	AML		
PGF	comp=N,169µm,0.6s	AML	AML		
NRCA NRCA	1.57 99	P	Pb	07 56 32.9	-1.1
NRCA	comp=E,87µm,1.2s	AML	AML		
NRCA	comp=N,104µm,0.7s	AML	AML		
NRCA	comp=N,104µm,1.3s	AML	AML		
NRCA	comp=E,79µm,0.7s	AML	AML		
NRCA	comp=N,94µm,1.0s	AML	AML		
LNSS LEONESSA	1.58 108	P	Pb	07 56 33.5	-0.6
LNSS	comp=E,174µm,0.4s	AML	AML		
LNSS	comp=E,174µm,1.6s	AML	AML		
LNSS	comp=N,156µm,0.6s	AML	AML		
LNSS	comp=E,202µm,0.8s	AML	AML		
LNSS	comp=N,156µm,0.6s	AML	AML		
LNSS	comp=E,174µm,0.4s	AML	AML		
LNSS	comp=N,230µm,0.4s	AML	AML		
SMPL SAMPOLIO	1.62 232	Pn	Pb	07 56 34.4	-0.3
SMPL	comp=N,296µm,1.0s	Sg	Sg	07 56 37.3	+0.2
RM33 PELLESKRITA	1.73 109	P	Pb	07 56 36.0	-0.8
RM33	comp=E,212µm,1.4s	AML	AML		
RM33	comp=N,222µm,1.6s	AML	AML		
RM33	comp=E,88µm,0.5s	AML	AML		
RM33	comp=N,146µm,0.7s	AML	AML		
RM33	comp=E,212µm,0.6s	AML	AML		
RM33	comp=N,146µm,1.3s	AML	AML		
RM33	comp=E,88µm,0.5s	AML	AML		
RM33	comp=N,146µm,0.7s	AML	AML		
RM33	comp=E,213µm,1.4s	AML	AML		
RM33	comp=N,145µm,0.7s	AML	AML		
RM33	comp=N,145µm,0.5s	AML	AML		
SENI SENIGALLIA	1.74 69	P	Pb	07 56 34.4	-0.3
SENI	comp=N,296µm,1.0s	AML	AML		
SENI	comp=N,296µm,1.0s	AML	AML		
SENI	comp=E,308µm,1.0s	AML	AML		
SENI	comp=E,572µm,0.4s	AML	AML		
SENI	comp=N,296µm,1.0s	AML	AML		
SENI	comp=E,308µm,1.0s	AML	AML		

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FIAM FIAMIGNANO	1.77 117	AML	AML		
FIAM	comp=N,173µm,0.7s	AML	AML		
FIAM	comp=E,35µm,1.4s	AML	AML		
FIAM	comp=E,35µm,0.6s	AML	AML		
FIAM	comp=N,54µm,0.8s	AML	AML		
FIAM	comp=N,54µm,0.8s	AML	AML		
SM1 SAN MARTINO	1.78 104	P	Pb	07 56 37.0	-0.5
SM1	comp=E,168µm,0.6s	AML	AML		
SM1	comp=N,157µm,0.5s	AML	AML		
SM1	comp=E,168µm,0.6s	AML	AML		
SM1	comp=N,157µm,0.5s	AML	AML		
MF5 MONTAFALCONE A	1.81 93	AML	AML		
MF5	comp=E,218µm,0.6s	AML	AML		
MF5	comp=N,209µm,1.1s	AML	AML		
MF5	comp=N,209µm,0.9s	AML	AML		
MF5	comp=E,218µm,0.6s	AML	AML		
MF5	comp=N,174µm,0.6s	AML	AML		
GORR GORRETO	1.95 321	Pn	Pb	07 56 38.8	-1.6
GORR	comp=N,195µm,0.5s	Sg	Sg	07 57 08.7	+0.9
TERO TERAMO	1.97 103	AML	AML		
TERO	comp=N,62µm,0.4s	AML	AML		
TERO	comp=E,92µm,1.5s	AML	AML		
TERO	comp=E,92µm,0.5s	AML	AML		
TERO	comp=N,62µm,1.6s	AML	AML		
TERO	comp=E,96µm,1.2s	AML	AML		
TERO	comp=N,92µm,0.7s	AML	AML		
TERO	comp=E,75µm,0.4s	AML	AML		
AJAC BASE AREONAVAL	2.03 235	Pg	Pb	07 56 41.0	-0.7
T0110 COLLEPIETRO	2.23 112	Pn	Pb	07 56 44.0	-1.2
PCP PLANCASTAGN	2.29 310	Pn	Pn	07 56 42.3	-0.1
CANO CANOVA, MAGLIO	2.29 300	Pn	Pn	07 56 42.4	-0.1
RORO ROCCA ROSSA	2.36 296	Pn	Pn	07 56 42.7	-0.7
MGRO MONTGROSSO	2.50 293	Pn	Pn	07 56 45.5	0.0
GBOS GROTTA DI BOSS	2.56 298	Pn	Pn	07 56 46.6	+0.4
GBOS GROTTA DI BOSS	2.56 298	Sn	Sn	07 57 17.1	-0.1
SAOF SAORGE	2.56 291	Pn	Pn	07 56 47.9	+0.4
PIAF LES GRANGES DE	2.66 294	Pn	Pn	07 56 48.0	+0.5
PIAF	comp=N,101µm,1.6s	Sn	Sn	07 57 19.1	-0.4
SBF SOSPEL	2.70 288	ePn	Pn	07 56 48.4	+0.2
SBF	comp=N,24µm,0.5s	eSn	Sn	07 57 19.7	-1.0
DOSS DOSSE DEL SOMM	2.78 3	AML	AML		
DOSS	comp=N,82µm,0.7s	AML	AML		
DOSS	comp=E,224µm,1.0s	AML	AML		
DOSS	comp=N,234µm,0.8s	AML	AML		
DOSS	comp=N,234µm,0.8s	AML	AML		
MDI MONTI DI NESE	2.83 341	AML	AML		
MDI	comp=E,74µm,0.6s	AML	AML		
MDI	comp=E,59µm,0.9s	AML	AML		
MDI	comp=N,55µm,0.5s	AML	AML		
LUSI TRENTO, GARDAS	2.86 359	AML	AML		
LUSI	comp=E,65µm,0.9s	AML	AML		
LUSI	comp=N,101µm,1.6s	AML	AML		
LUSI	comp=N,101µm,1.6s	AML	AML		
SPIF CRIVOX	2.90 291	Pn	Pn	07 56 51.7	+0.8
STV crte de Spivo	2.90 295	Sn	Sn	07 57 25.6	+0.1
CALF Sant Anna di V	3.04 284	Pn	Pn	07 56 52.1	+1.3
PZZ Caern	3.14 294	Sn	Sn	07 56 53.2	+0.4
LMR Stroppo	3.24 298	Pn	Pn	07 57 28.8	-0.3
LMR La Moure	3.29 276	ePn	Sn	07 56 54.8	+0.5
LMR	comp=N,8.5µm,0.2s	eSn	Sn	07 56 56.0	-0.1
SURF SAINT OURS	3.33 296	Pn	Pn	07 57 32.5	-2.5
JAUF JAUSIERS	3.35 295	Pn	Pn	07 56 58.0	+1.1
KOSI KOHLERN	3.37 4	AML	AML		
KOSI	comp=N,56µm,0.7s	AML	AML		
KOSI	comp=E,68µm,0.6s	AML	AML		
KOSI	comp=N,56µm,1.3s	AML	AML		
KOSI	comp=N,55µm,0.7s	AML	AML		
APPI APPIANO	3.38 3	AML	AML		
APPI	comp=N,85µm,0.5s	AML	AML		
APPI	comp=E,86µm,1.3s	AML	AML		
APPI	comp=N,86µm,0.8s	AML	AML		
APPI	comp=N,86µm,1.2s	AML	AML		
APPI	comp=E,86µm,0.7s	AML	AML		
TRIGF TRIGANCE	3.41 283	Pn	Pn	07 56 58.9	+1.0
TRIGF	comp=N,8.5µm,0.2s	Sn	Sn	07 57 38.4	+0.3
MBDF MONTBARDON	3.46 299	ePn	Pn	07 57 38.4	+0.3
MBDF	comp=N,24µm,0.6s	eSn	Sn	07 57 39.6	+0.1
BRES BRESSANONE	3.48 296	Pn	Pn	07 56 58.0	+1.1
BRES	comp=E,66µm,1.5s	AML	AML		
BRES	comp=N,80µm,1.6s	AML	AML		
BRES	comp=N,80µm,0.4s	AML	AML		
BRES	comp=N,80µm,0.4s	AML	AML		
DAVOX DAVOS/DISCHMAT	3.77 348	Pn	Pn	07 57 04.1	+1.3
DAVOX	comp=N,8.5µm,0.2s	Sn	Sn	07 57 45.7	+0.4
DAVOX	comp=N,8.5µm,0.2s	Sn	Sn	07 57 45.7	+0.4
ABTA ABFALTERSBACH	3.80 16	ePn	Pn	07 57 03.8	+0.6
VILLASALTO	3.80 199	AML	AML		
VSFL ARTIGUES	3.82 279	Pn	Pn	07 57 04.4	+0.9
ARTF	comp=N,1.4µm,0.3s	Sn	Sn	07 57 49.9	+1.8
LPG LA PLAGNE	3.88 310	ePn	Pn	07 57 06.8	+2.3
LPG LA PLAGNE	3.88 310	ePn	Pn	07 57 09.2	+4.2
LPG	comp=N,1.4µm,0.3s	eSn	Sn	07 57 50.2	+0.2
LPL LA PLAGNE	3.90 310	ePn	Pn	07 57 08.7	+4.0
FETA FEICHTEN	3.93 357	ePn	Pn	07 57 07.3	+2.2
SMRF SIMIANE LA ROT	4.04 284	ePn	Pn	07 57 08.1	+1.6
SMRF	comp=N,1.1µm,0.2s	Sn	Sn	07 57 08.9	+1.6
RUSL ROSELEND	4.07 311	Pn	Pn	07 57 11.2	+4.2
RUSL RUSTEL	4.10 284	Pn	Pn	07 57 55.4	+0.4
RUSF	comp=N,9.8µm,0.8s,SNR=7.7	Sn	Sn	07 57 55.4	+0.4
ORIF ORIS-EN-RATTIE	4.12 298	ePn	Pn	07 57 10.4	+2.8
ORIF ORIS-EN-RATTIE	4.12 298	ePn	Pn	07 57 11.9	+4.3
ORIF	comp=N,4.3µm,0.4s	eSn	Sn		

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include KWHZ Kaweka Forest, ETVZ East Tongario, HIZ Hauri, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include LKBA Tubou, Laikamba, DGTI Dogotuki, MSVH Nonsavu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include MTVZ Mangateitei, KRHZ Kereru, KAHZ Kahuranaki, etc.

SOME 27 10:07:01.3, 41.93N, 78.17E
NCC 27 10:06:57.0, 6.7, 41.43N, 77.97E, h0km, mb3.6, mpv3.2,
2C, Error ellipse: s-maj=51.0km s-min=26.2km az=7.0,
Suspected mining explosion., Kyrgyzstan-Xinjiang
border region

ISC 27 10:16:27.6, 0.3, 20.06S, 103.17777W, 0.03,
h556km, 2km, h555km, p-P, n1316, r122/1516, mb5.4/212,
120C-41D, Fiji Islands region

Code Station Name Az Az2 Phase ID Time Res ISC
LKBA Tubou, Laikamba 2,07 331 P P 10 17 39.6 +1.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include TNSS Tian-Shan, MDOK Medeo, MDOK Medeo, PDGK Podgornoye, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include MSVH Nonsavu, MSVH Nonsavu, MSVH Nonsavu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include KAHZ Kahuranaki, KAHZ Kahuranaki, KAHZ Kahuranaki, etc.

NCC 27 10:09:40.1, 3.1, 37.94N, 71.10E, h303km, 26km, mb2.6,
mpv4.0, 6C-2D, Error ellipse: s-maj=31.7km
s-min=21.9km az=28.0, Afghanistan-Tajikistan border
region

Code Station Name Az Az2 Phase ID Time Res ISC
DZM Mont Dzumac 14,88 259 P P 10 19 35.1 -0.7

Code Station Name Az Az2 Phase ID Time Res ISC
RPZ Rata Peaks 25,38 199 P P 10 21 10.8 -0.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include KK31 Karatay Array, KK31 Karatay Array, CHMS Chumysh, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include RPZ Rata Peaks, RPZ Rata Peaks, RPZ Rata Peaks, etc.

SOME 27 10:09:46.1, 43.28N, 85.45E, h20km
NCC 27 10:09:58.5, 6.0, 43.16N, 85.18E, h0km, mb3.2, mpv2.8,
Error ellipse: s-maj=46.1km s-min=22.9km az=120.0,
ISC 27 10:09:57.2, 3.4, 43.2N, 02.85, 4E, 0.1, h10km, n7,
c289/10, 3C-3D, Northern Xinjiang

Code Station Name Az Az2 Phase ID Time Res ISC
DZM Mont Dzumac 14,88 259 P P 10 19 35.1 -0.7

Code Station Name Az Az2 Phase ID Time Res ISC
DZM Mont Dzumac 14,88 259 P P 10 19 35.1 -0.7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include KTMS Ketmen, DJR Jarkent, DJR Jarkent, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Rows include DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

BGR 27 10:15:24.3, 21.58S, 177.00W, h33km
BUJ 27 10:16:25.8, 19.75S, 177.49W, h547km, mb5.3/49,
mb5.2/82

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

IPGP 27 10:16:27.0, 20.12S, 177.80W, h565km, Mw5.9, Fault
plane solution: NP1: 366.00000, 872.00000,
lambda=156.00000, NP2: 328.00000, 867.00000,
lambda=20.00000

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

MOS 27 10:16:27.8, 0.9, 20.05S, 177.90W, h560km, mb5.2/32,
Error ellipse: s-maj=8.4km s-min=7.4km az=117.9,
NOU 27 10:16:28.2, 20.09S, 177.76W, h556km, ML5.4/167, Fiji
Islands Region

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

NEIC 27 10:16:28.1, 6.2, 20.10S, 177.82W, h559km
IDC 27 10:16:28.1, 6.2, 20.07S, 177.82W, h556km, 7km, mb4.8/29,
mbmp5.7/32, Error ellipse: s-maj=9.4km s-min=8.1km
az=75.0

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

NEIC 27 10:16:28.7, 1.6, 20.10S, 177.82W, h570km, Moment Tensor
Solution. Duration: 369 Moment tensor: Scale 10^17Nm;
Mrr=2.04; Mss=13.8km s-min=12.7km az=129.0, Error
Tensor Solution. Moment tensor: Scale 10^17Nm;
Mrr=3.49; Mss=4.6; Mss=1.91; Mss=0.82; Mss=3.0;
Mrr=2.85; Fault plane solution: M6.35000x1017 NP1:
phi=75.57000, delta=64.0000, lambda=143.18000, NP2:
phi=323.74000, delta=59.59000, lambda=38.36000, Principal axes:
T 6.4825, Plg1.0000, Azm20.0000, N -0.2685,
Plg43.0000, Azm11.0000, P -6.2140, Plg47.0000,
Azm289.0000

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

NEIC 27 10:16:28.4, 20.02S, 177.91W, h570km, Moment Tensor
Solution. Duration: 369 Moment tensor: Scale 10^17Nm;
Mrr=2.04; Mss=13.8km s-min=12.7km az=129.0, Error
Tensor Solution. Moment tensor: Scale 10^17Nm;
Mrr=3.49; Mss=4.6; Mss=1.91; Mss=0.82; Mss=3.0;
Mrr=2.85; Fault plane solution: M6.35000x1017 NP1:
phi=75.57000, delta=64.0000, lambda=143.18000, NP2:
phi=323.74000, delta=59.59000, lambda=38.36000, Principal axes:
T 6.4825, Plg1.0000, Azm20.0000, N -0.2685,
Plg43.0000, Azm11.0000, P -6.2140, Plg47.0000,
Azm289.0000

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

NEIC 27 10:16:28.4, 20.02S, 177.91W, h570km, Moment Tensor
Solution. Duration: 369 Moment tensor: Scale 10^17Nm;
Mrr=2.04; Mss=13.8km s-min=12.7km az=129.0, Error
Tensor Solution. Moment tensor: Scale 10^17Nm;
Mrr=3.49; Mss=4.6; Mss=1.91; Mss=0.82; Mss=3.0;
Mrr=2.85; Fault plane solution: M6.35000x1017 NP1:
phi=75.57000, delta=64.0000, lambda=143.18000, NP2:
phi=323.74000, delta=59.59000, lambda=38.36000, Principal axes:
T 6.4825, Plg1.0000, Azm20.0000, N -0.2685,
Plg43.0000, Azm11.0000, P -6.2140, Plg47.0000,
Azm289.0000

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

NEIC 27 10:16:28.4, 20.02S, 177.91W, h570km, Moment Tensor
Solution. Duration: 369 Moment tensor: Scale 10^17Nm;
Mrr=2.04; Mss=13.8km s-min=12.7km az=129.0, Error
Tensor Solution. Moment tensor: Scale 10^17Nm;
Mrr=3.49; Mss=4.6; Mss=1.91; Mss=0.82; Mss=3.0;
Mrr=2.85; Fault plane solution: M6.35000x1017 NP1:
phi=75.57000, delta=64.0000, lambda=143.18000, NP2:
phi=323.74000, delta=59.59000, lambda=38.36000, Principal axes:
T 6.4825, Plg1.0000, Azm20.0000, N -0.2685,
Plg43.0000, Azm11.0000, P -6.2140, Plg47.0000,
Azm289.0000

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

NEIC 27 10:16:28.4, 20.02S, 177.91W, h570km, Moment Tensor
Solution. Duration: 369 Moment tensor: Scale 10^17Nm;
Mrr=2.04; Mss=13.8km s-min=12.7km az=129.0, Error
Tensor Solution. Moment tensor: Scale 10^17Nm;
Mrr=3.49; Mss=4.6; Mss=1.91; Mss=0.82; Mss=3.0;
Mrr=2.85; Fault plane solution: M6.35000x1017 NP1:
phi=75.57000, delta=64.0000, lambda=143.18000, NP2:
phi=323.74000, delta=59.59000, lambda=38.36000, Principal axes:
T 6.4825, Plg1.0000, Azm20.0000, N -0.2685,
Plg43.0000, Azm11.0000, P -6.2140, Plg47.0000,
Azm289.0000

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

NEIC 27 10:16:28.4, 20.02S, 177.91W, h570km, Moment Tensor
Solution. Duration: 369 Moment tensor: Scale 10^17Nm;
Mrr=2.04; Mss=13.8km s-min=12.7km az=129.0, Error
Tensor Solution. Moment tensor: Scale 10^17Nm;
Mrr=3.49; Mss=4.6; Mss=1.91; Mss=0.82; Mss=3.0;
Mrr=2.85; Fault plane solution: M6.35000x1017 NP1:
phi=75.57000, delta=64.0000, lambda=143.18000, NP2:
phi=323.74000, delta=59.59000, lambda=38.36000, Principal axes:
T 6.4825, Plg1.0000, Azm20.0000, N -0.2685,
Plg43.0000, Azm11.0000, P -6.2140, Plg47.0000,
Azm289.0000

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

NEIC 27 10:16:28.4, 20.02S, 177.91W, h570km, Moment Tensor
Solution. Duration: 369 Moment tensor: Scale 10^17Nm;
Mrr=2.04; Mss=13.8km s-min=12.7km az=129.0, Error
Tensor Solution. Moment tensor: Scale 10^17Nm;
Mrr=3.49; Mss=4.6; Mss=1.91; Mss=0.82; Mss=3.0;
Mrr=2.85; Fault plane solution: M6.35000x1017 NP1:
phi=75.57000, delta=64.0000, lambda=143.18000, NP2:
phi=323.74000, delta=59.59000, lambda=38.36000, Principal axes:
T 6.4825, Plg1.0000, Azm20.0000, N -0.2685,
Plg43.0000, Azm11.0000, P -6.2140, Plg47.0000,
Azm289.0000

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Code Station Name Az Az2 Phase ID Time Res ISC
URZ Urewera 18,67 193 P P 10 20 08.8 -2.3

Table with columns for station name, frequency, and other details. Includes stations like QIS Mount Isa, AUMBR Murray Bridge, HTT Hallett, etc.

Table with columns for station name, frequency, and other details. Includes stations like MBWA Marble Bar, MBWA Marble Bar, MEEK Meekatharra, etc.

Table with columns for station name, frequency, and other details. Includes stations like JOW Kunigami, JOW Kunigami, JOW Kunigami, etc.

27d 10h

Table with columns for station ID, name, elevation, distance, azimuth, and other parameters. Includes stations like O28M Mount Upton, F15K North Star Dit, HARP HAARP, etc.

2019 JAN

Table with columns for station ID, name, elevation, distance, azimuth, and other parameters. Includes stations like P33M Teslin, Yukon, M29M Sone Creek, F19K Shalercuk Mo, etc.

1610

Table with columns for station ID, name, elevation, distance, azimuth, and other parameters. Includes stations like E22K Anaktuvuk Pass, I28M Miner Creek, N23A Red Feather La, etc.

INIK	Inuvik	93.79	15	P	P	10 28 45.1 +0.2
ULN	Ulanbaatar	95.17	319	P	P	10 28 52.0 +0.1
SOMM	Somgino Array	95.17	319	P	P	10 28 51.9 +0.1
SOMM	Somgino Array	95.17	319	P	P	10 28 53.3 -0.3
SOMM	Somgino Array	95.17	319	P	P	10 32 48.8 -5.9
SOMM	Somgino Array	95.17	319	P	P	10 38 35.7 -0.6
SOMM	Somgino Array	95.17	319	P	P	10 45 42.2 -1.1
SOMM	Somgino Array	95.17	319	P	P	10 46 18.9
YKA	Yellowknife Ar	96.02	25	P	P	10 28 55.4 +0.3
YKA	Yellowknife Ar	96.02	25	P	P	10 33 31.0 +1.0
YKA	Yellowknife Ar	96.02	25	P	P	10 38 36.3 -1.3
YKA	Yellowknife Ar	96.02	25	P	P	10 45 39.3 -3.1
GTA	Gaotai	96.86	309	eP	P	10 29 00.3 +0.6
GTA	Gaotai	96.86	309	eP	P	10 33 02.8 -1.9
GTA	Gaotai	96.86	309	eP	P	10 39 38.0 +3.9
GTA	Gaotai	96.86	309	eP	P	10 46 25.3 -1.9
C36M	Paulutai	96.97	17	P	P	10 28 58.8 -0.3
AZL	Aizawl	97.45	292	eP	Pdf	10 29 02.4 -0.2
AZL	Aizawl	97.45	292	eP	Pdf	10 29 58.1
AZL	Aizawl	97.45	292	eP	Pdf	10 38 46.5 -0.3
ZIRO	ZIRO	97.65	296	eP	SKSac	10 29 00.4 -3.1
ZIRO	ZIRO	97.65	296	eP	SKSac	10 29 58.1
ZIRO	ZIRO	97.65	296	eP	SKSac	10 38 46.5 -1.4
TIXI	Tiksi	98.38	345	eP	SKSac	10 29 05.5 0.0
A36M	Sachs Harbour	98.40	14	P	P	10 29 05.6 0.0
SHL	Shilling	98.71	294	eP	Pdf	10 29 06.5 -1.8
SHL	Shilling	98.71	294	eP	Pdf	10 29 39.1
SHL	Shilling	98.71	294	eP	Pdf	10 38 48.5 -4.7
GOMU	GeErmu	99.57	305	eP	SKSac	10 29 12.8 +0.7
GOMU	GeErmu	99.57	305	eP	SKSac	10 34 01.9 -1.4
GOMU	GeErmu	99.57	305	eP	SKSac	10 47 07.5 +2.3
LPAZ	La Paz	102.03	112	Pdf	Pdf	10 29 24.6 +0.9
LPAZ	La Paz	102.03	112	Pdf	Pdf	10 45 25.2 +0.1
LPAZ	La Paz	102.03	112	Pdf	Pdf	10 29 22.8 -0.2
GTK	Tadong	102.04	295	eP	Pdf	10 30 08.7
GTK	Tadong	102.04	295	eP	Pdf	10 39 06.9 -2.2
GTK	Tadong	102.04	295	eP	Pdf	10 45 22.1 0.0
CPUP	Villa Florida	106.08	126	P	P	10 29 45.3 +1.6
CPUP	Villa Florida	106.08	126	P	P	10 33 54.3 -0.7
CPUP	Villa Florida	106.08	126	P	P	10 33 56.4 +0.5
CPUP	Villa Florida	106.08	126	P	P	10 34 36.6 -5.0
CPUP	Villa Florida	106.08	126	P	P	10 33 57.3 +1.5
CPUP	Villa Florida	106.08	126	P	P	10 29 56.9 -1.9
CPUP	Villa Florida	106.08	126	P	P	10 33 55.5 -0.8
CPUP	Villa Florida	106.08	126	P	P	10 34 35.2 -7.2
CPUP	Villa Florida	106.08	126	P	P	10 44 58.5 -1.6
CPUP	Villa Florida	106.08	126	P	P	10 45 10.8 0.0
CPUP	Villa Florida	106.08	126	P	P	10 33 57.5 -0.6
CPUP	Villa Florida	106.08	126	P	P	10 30 03.4 +0.9
CPUP	Villa Florida	106.08	126	P	P	10 33 53.0 -1.1
CPUP	Villa Florida	106.08	126	P	P	10 34 41.8 -6.4
CPUP	Villa Florida	106.08	126	P	P	10 44 57.0 -0.5
CPUP	Villa Florida	106.08	126	P	P	10 45 08.2 +0.5
CPUP	Villa Florida	106.08	126	P	P	10 33 57.2 -1.3
CPUP	Villa Florida	106.08	126	P	P	10 33 59.9 -1.4
CPUP	Villa Florida	106.08	126	P	P	10 33 60.0 -1.4
CPUP	Villa Florida	106.08	126	P	P	10 34 01.5 -0.9
CPUP	Villa Florida	106.08	126	P	P	10 34 01.5 -0.9
CPUP	Villa Florida	106.08	126	P	P	10 34 01.9 -0.9
CPUP	Villa Florida	106.08	126	P	P	10 34 02.4 -0.7
CPUP	Villa Florida	106.08	126	P	P	10 34 02.1 -1.1
CPUP	Villa Florida	106.08	126	P	P	10 34 02.1 -1.2
CPUP	Villa Florida	106.08	126	P	P	10 35 01.1 -6.6
CPUP	Villa Florida	106.08	126	P	P	10 36 46.3 0.0
CPUP	Villa Florida	106.08	126	P	P	10 44 47.7 -3.6
CPUP	Villa Florida	106.08	126	P	P	10 44 56.5 +1.4
CPUP	Villa Florida	106.08	126	P	P	10 34 02.4 -1.9
CPUP	Villa Florida	106.08	126	P	P	10 34 03.6 -1.1
CPUP	Villa Florida	106.08	126	P	P	10 34 03.7 -1.1
CPUP	Villa Florida	106.08	126	P	P	10 34 04.0 -1.2
CPUP	Villa Florida	106.08	126	P	P	10 34 04.0 -1.1
CPUP	Villa Florida	106.08	126	P	P	10 34 01.9 -0.9
CPUP	Villa Florida	106.08	126	P	P	10 34 03.9 -0.8
CPUP	Villa Florida	106.08	126	P	P	10 34 04.0 -0.7
CPUP	Villa Florida	106.08	126	P	P	10 34 06.5 +0.8
CPUP	Villa Florida	106.08	126	P	P	10 44 36.3 -4.1
CPUP	Villa Florida	106.08	126	P	P	10 44 46.5 +1.3
CPUP	Villa Florida	106.08	126	P	P	10 34 07.8 -0.5
CPUP	Villa Florida	106.08	126	P	P	10 34 08.4 +0.1
CPUP	Villa Florida	106.08	126	P	P	10 34 07.9 -0.9
CPUP	Villa Florida	106.08	126	P	P	10 35 25.9
CPUP	Villa Florida	106.08	126	P	P	10 34 08.0 -0.9
CPUP	Villa Florida	106.08	126	P	P	10 35 26.0 -1.1
CPUP	Villa Florida	106.08	126	P	P	10 33 59.2 0.0
CPUP	Villa Florida	106.08	126	P	P	10 34 01.2 -0.7
CPUP	Villa Florida	106.08	126	P	P	10 34 11.2 -0.4
CPUP	Villa Florida	106.08	126	P	P	10 34 11.9 -0.7
CPUP	Villa Florida	106.08	126	P	P	10 34 11.9 -0.7
CPUP	Villa Florida	106.08	126	P	P	10 34 12.2 -0.7
CPUP	Villa Florida	106.08	126	P	P	10 35 32.8 -9.3
CPUP	Villa Florida	106.08	126	P	P	10 44 33.9 +0.9
CPUP	Villa Florida	106.08	126	P	P	10 34 12.3 -0.3
CPUP	Villa Florida	106.08	126	P	P	10 34 12.5 -0.5
CPUP	Villa Florida	106.08	126	P	P	10 34 14.5 -0.3
CPUP	Villa Florida	106.08	126	P	P	10 44 29.4 -0.3
CPUP	Villa Florida	106.08	126	P	P	10 34 13.7 0.0
CPUP	Villa Florida	106.08	126	P	P	10 34 14.0 -0.7
CPUP	Villa Florida	106.08	126	P	P	10 35 47.1 -0.4
CPUP	Villa Florida	106.08	126	P	P	10 34 15.4 -0.2
CPUP	Villa Florida	106.08	126	P	P	10 34 15.7 0.0
CPUP	Villa Florida	106.08	126	P	P	10 34 13.9 -1.1
CPUP	Villa Florida	106.08	126	P	P	10 34 16.4 -0.6

SPAO	Spitsbergen Ar	121.44	357	ePKP	Pdf	10 34 17.4 +0.1
SPITS	Spitsbergen Ar	121.44	357	ePKP	Pdf	10 34 16.8 -0.4
DFJ	Denmark's Havn	122.28	6	iP	P	10 34 17.0 -1.8
SADG	Kangerlussuaq	122.45	22	eP	P	10 34 19.4 +0.1
SUMG	Summit	122.67	13	eP	P	10 34 20.1 -0.1
SVE	Sverdrup	123.75	326	ePKP	Pdf	10 34 21.5 -0.6
DY2G	Dye2	124.22	21	iP	P	10 34 22.8 -0.3
DBG	Daneborg	124.37	7	iP	P	10 34 23.1 -1.5
ICESG	Greenland Ices	124.71	17	iP	P	10 34 23.0 -1.0
ABRO1	Abrolhos, BA	124.86	31	eP	P	10 34 28.0 +2.2
GUAK1	Guaratinga, BA	124.95	128	eP	P	10 34 28.2 +2.1
ARTI	Arti	125.07	326	eP	P	10 34 24.5 -0.2
ARTI	Arti	125.07	326	eP	P	10 36 19.3 -3.8
ARTI	Arti	125.07	326	eP	P	10 44 07.8 -0.2
BOSA	Boshof	126.75	205	eP	P	10 34 29.2 +0.2
AKTO	Aktubinsk	126.86	319	eP	P	10 34 28.3 0.0
JLN	Jalan Bani Bulu	126.88	283	P	P	10 34 29.4 +0.3
SCF	Scoresebystund	127.54	10	iP	P	10 34 28.7 -0.3
HAM	Hammerfest	127.82	351	ePKP	Pdf	10 34 29.1 -0.4
MHTO	MHTO	128.02	281	P	P	10 34 31.1 -0.2
JMDO	Jabod Madar	128.12	283	P	P	10 34 31.6 +0.1
BIDD	Biddid	128.25	285	P	P	10 34 32.6 +0.1
SMDO	Samad	128.26	284	P	P	10 34 32.5 -0.1
ARAO	ARCES Array S	128.53	350	ePKP	Pdf	10 34 31.7 +0.1
ARCES	ARCES Array B	128.53	350	ePKP	Pdf	10 34 31.1 +0.2
APA	Apacity	128.57	345	iPKP	P	10 34 31.8 +0.1
APA	Apacity	128.57	345	iPKP	P	10 36 33.0
APA	Apacity	128.57	345	iPKP	P	10 36 40.2
KIRV	Kirov	128.69	331	eP	P	10 34 32.0 -0.1
BSY	BSY	129.00	283	eP	P	10 34 33.0 -0.3
HOQ	Hogya	129.00	285	P	P	10 34 34.2 +0.2
KTK1	Kautokeino	129.36	350	ePKP	Pdf	10 34 33.6 +0.3
TRO	Tromso	129.39	353	ePKP	Pdf	10 34 33.8 +0.5
SOHO	SOHO	129.78	285	P	P	10 34 34.5 -0.1
ASUD	ASUD	129.96	126	eP	P	10 34 37.1 +0.2
MDH	Madha	130.11	287	P	P	10 34 35.1 -0.1
UOSS	UOSS	130.16	286	P	P	10 34 35.5 +0.1
BANOM	Banahif	130.17	287	P	P	10 34 35.5 +0.1
DHTO	Hatta, Dubai	130.22	286	P	P	10 34 35.9 -0.4
MATO	MATO	130.24	277	P	P	10 34 35.8 +0.2
MASF	Masafi	130.25	287	P	P	10 34 35.7 +0.2
ASHO	Ashtiyah	130.27	286	P	P	10 34 35.7 +0.2
ALNE	Al Ain	130.48	285	P	P	10 34 36.0 0.0
NAZ	Nazwa, Dubai	130.66	286	P	P	10 34 36.5 +0.2
AFQ	Al Faqa, Dubai	130.69	286	P	P	10 34 36.5 +0.3
ASUD	ASUD	130.92	286	P	P	10 34 37.1 +0.2
MREM1	Moremi	131.00	211	iP	P	10 37 11.6 +1.4
DOK	Doka	131.17	278	P	P	10 34 37.3 -0.1
MURCI	Murci-E	131.32	120	eP	P	10 34 39.2 +0.2
WHFO	Wadi Hawf	131.37	277	P	P	10 34 38.4 -0.5
STEL	Steigen	131.44	353	ePKP	Pdf	10 34 38.0 +0.5
KLIM	Klimovskoye	131.56	337	ePKP	Pdf	10 34 35.4 -1.4
KLIMR	Klimovskoye	131.56	337	ePKP	Pdf	10 34 35.4 -1.4
ABTO	Aybut	131.71	276	P	P	10 34 38.9 +0.4
FAUS	Fauske	131.96	353	ePKP	Pdf	10 34 37.9 +0.5
THAL	Thalweg	132.12	208	P	P	10 37 15.3 +1.6
BELG	Belgometovye	132.38	324	eP	P	10 34 39.4 -0.4
BELG	Belgometovye	132.38	324	eP	P	10 37 13.0 +2.9

27/10 10h

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like BMR Baia Mare, BMR Baia Mare, IBN Liberec, etc.

2019 JAN

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like BGES Gesves, JWB Yambol, JEM Wetzell, etc.

1612

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like MDT Midelt, TORO Torodi Ar. Bea, SJA 27 10:21:57, etc.

27d 11h

Table with columns: RIDG, Independent Ri, 5.47 41, Pn, 10 32 52.4 +0.1, etc. Lists various stations and their coordinates.

2019 JAN

Table with columns: DBO, Dodson Butte, 24.62 120, P, P, 10 36 46.2 +2.7, etc. Lists stations in the Dodson Butte area.

1614

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations in the ML3.1/105, ML2.7/46(NEIC) area.

NNC 27 11:13:53.7,1.8,44.96N:78.55E,h0km,mb2.1,mpv2.5, Error ellipse: s-maj=12.8km s-min=8.7km az=141.0

SOME 27 11:13:57.8,44.82N:78.57E,h5km ISC 27 11:13:57.3,1.1,44.83N:0.03:78.59E,0.03,h8km,12km, n12,c052/22,3C-1D,Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TDK, KNOS, BLB, ARXS, DJR, JMK, etc.

GII 27 11:22:25.6,0.0,34.063N:0.003:36.550E,0.0:002,h0km, MD1.9/3,confirmed

GRAL 27 11:22:25.8,0.5,33.82N:36.80E,h7km,4km,MD3.4 ISC 27 11:22:26.0,1.6,33.90N:0.04:36.65E,0.10,h0km,n31, c0549/33,Jordan-Syria region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FKX, ZAH, HWQ, etc.

IDC 27 11:51:55.9,3.1,35.46N:141.09E,h0km,mb3.5/5, mbmp3.5/6,ML3.0/1, Error ellipse: s-maj=100.4km s-min=24.2km az=61.0

JMA 27 11:52:10.2,0.2,35.7N:0.6:140.1E:0.9,h66km,2km, MV2.9/38,NORTHERN CHIBA PREF

ISC 27 11:52:09.3,0.9,35.62N:140.11E:0.06,h82km,7km, n17,c1561/24,mb3.5/5,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JCN, JSMT, TOK, etc.

NNC 27 12:14:57.0,8.4,37.83N:70.59E,h0km,mb3.6,mpv3.4, 2C-1D, Error ellipse: s-maj=80.0km s-min=58.5km az=109.0,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KK31, AB31, ASAR, etc.

AKTO 0.3nm,0.3s 1S Sn 12 21 27.0 -1.4 0.6nm,0.7s

IDC 27 12:19:57.2,0.6,24.32N:125.18E,h0km,mb4.5/26, mbmp4.5/27,ML2.7/2,MS3.8/43, Error ellipse: s-maj=15.0km s-min=13.4km az=95.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JM2, JOGS, JMB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JKRS, HATJ, IRIF, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like QZH, KNMB, SSE, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DL2, INU, LYN, etc.

LYN comp=Z,24nm,1.1s LR LR comp=N,1um,16.1s LR LR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like QIZ, Giongzhang, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MAJO, MJAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DAV, XAN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BTO, BTG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like XLT, XLY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like SUMG Summit, CONA Conrad Observa, GERES GERESS Array B, etc.

IDC 27 12:25:03.3±1.1, 53°30'N, 166°90'W, h0km, mb3.4/2, mbmtmp3.9/3, ML2.6/1, MS2.6/1, Error ellipse: s-maj=127.9km s-min=42.7km az=118.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 27 12:32:38.1±1.1, 53°30'N, 166°90'W, h0km, mb3.4/9, mbtmp3.5/10, ML3.1/1, Error ellipse: s-maj=37.1km s-min=18.3km az=175.0

AEIC 27 12:32:43.4±2.4, 53°17'N, 166°78'W, h0km, mb3.7km, Error ellipse: s-maj=5.9km s-min=4.5km az=130.0

NEIC 27 12:32:44.5±2.5, 53°19'N, 166°80'W, h0km, mb3.7km, h37km, 20km, mb3.6/17, ML3.9/6, ML3.6/6(AEIC), Error ellipse: s-maj=10.1km s-min=5.2km az=160.0

ISC 27 12:32:42.8±1.5, 53°13'N, 166°73'W, h0.06, h28km±1.1km, n85, 0182993, mb3.5/9, Fox Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like MREP Makushin Rep't, UNV Unalaska Vaile, MSW Makushin Switc, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like AKGG Akutan Green G, AKSS Akutan Strait, WECS Westdahl Cape, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like SP1A Saint Paul Isl, ATKA Atka Island, ADK Adak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like M11K Mekoryuk, M13K Dall Lake, N15K Kwethluk River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like K15K Wolf Creek Mou, ILSW Iliamna Southw, J16K Anvik River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like G16K Koyuk River, J20K Nowinta River, H1N Hinchinbrook I, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like TABL Table Mountain, J25K Salcha River, G23K Bananza Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like BCAR Beaver Creek A, M29M Somme Creek, F25K Christian River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like N30M Aishikik Lake, SPU Mount Spurr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like E25K Arctic Village, I28M Miner Creek, K29M Barlow Dome, etc.

IDC 27 12:44:48.6±1.2, 24°69'N, 141°55'E, h0km, mb3.8/6, mbtmp3.8/6, Error ellipse: s-maj=53.0km s-min=22.0km az=82.0

ISC 27 12:45:06.2±1.2, 24°6N, 02°141'4E, 0.3, h148km, n6, 0488/6, mb3.7/6, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like BVAR Borovoye Array, YKA Yellowknife Arr, FINES FINES Array B, etc.

NEIC 27 12:50:35.1±1.3, 61°51'N, 02°149'94W, 0.03, h33km, 9km, Error ellipse: s-maj=3.2km s-min=1.6km az=217.0

AEIC 27 12:50:35.7±1.1, 61°48'N, 03°149'92W, 0.05, h46km, 4km, ML2.3, ML2.5/109(NEIC), Error ellipse: s-maj=4.1km s-min=3.4km az=148.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like M22K Willow, FIS Fire Island, PMR Palmer, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like RC01 Rabbit Creek A, GHO Glory Hole Cre, GHO Glory Hole Cre, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like SKT Skwentna, SKT Skwentna, SKT Skwentna, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like CAPN Captain Cook N, CUPN Chulitna, CUT Chulitna, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like SKT Skwentna, SKT Skwentna, SKT Skwentna, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like LEEM Lembang, ASAR Alice Springs, SONM Songoing Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like MKAR Makanchi Array, SPU Mount Spurr, etc.

IDC 27 13:18:03.8±4.7, 24°71'N, 129°04'E, h0km, mb3.5/4, mbtmp3.6/6, ML3.4/2, Error ellipse: s-maj=91.2km s-min=43.5km az=105.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries like SPU comp=N, 139nm, 0.3s, M23K Glacier View, M23K Spurr Blockage, etc.

27d 14h

JMA 27 13:18:17.5:0.4,25°N,127°7E:1.0,h57km,3km,
MV2.9/17,NEAR OKINAWAJIMA ISLAND
ISC 27 13:18:16.7:1.4,25.22°N,0.09:127.75E:0.07,h29km,m19,
r112z,23,mb3.3/4,Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Tamaagusuku3, Nagotoyohara, Kume jima 2, Aguni-jima, Kunigami, etc.

IDC 27 13:20:12.7:1.2,23.28S:178.02W,h0km,mb3.3/2,
mbtmp3.3/2, Error ellipse: s-maj=328.6km
s-min=57.0km az=151.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Alice Springs, Warramunga Arr, HFS Nagfors, etc.

IDC 27 13:31:44.6:15.0,23.94S:176.99W,h616km,116km,
mb3.0/2,mbtmp4.0/3, Error ellipse: s-maj=264.3km
s-min=42.0km az=141.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MSFV Nesavu, ASAR Alice Springs, WRA Warramunga Arr, etc.

NNC 27 13:43:27.7:3.7,37.26N:70.85E,h279km,34km,mb3.0,
mp4.2, Error ellipse: s-maj=35.4km s-min=25.0km
az=27.0

BJI 27 13:43:37.3,38.83N:70.15E,h14km,mb4.4/8,ML3.8/2
IDC 27 13:43:37.1:3,38.36N:70.62E,h0km,mb3.6/8,
mbtmp3.7/14,ML3.3/6,MS2.6/1, Error ellipse:
s-maj=22.9km s-min=15.1km az=146.0
MOS 27 13:43:39.6:1.5,38.55N:70.38E,h11km,mb4.1/6, Error
ellipse: s-maj=10.2km s-min=6.0km az=78.0
NEIC 27 13:43:40.1:2.5,38.53N:70.05:70.38E:0.06,h7km,7km,
mb4.4/5, Error ellipse: s-maj=7.0km s-min=6.3km
az=162.0

ISC 27 13:43:40.2:0.5,38.52N:0.04:70.49E:0.05,h10km,n84,
c2518/7,mb4.1/20,7C-2D,Afghanistan-Tajikistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GAR Garm, CHGR Chuyangaron, HFS Hagfors, etc.

2019 JAN

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like THN Thein Dam, DHRM DHARAMSHALA, SRI GANGA NAGA, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JSMT Sammumatsuo, BS03 Boso 3, ODOWA 2, etc.

WEL 27 14:14:50.5:1.1,32°S,20°17'9E:5'0,h362km,30km,
M4.2/5,MB4.0/2,ML4.8/6,MLV4.2/5,Mw(mb)3.0/2, Error
ellipse: s-maj=69.2km s-min=8.8km az=111.0,
Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, WMGZ Waioomatatini S, etc.

IDC 27 14:33:46.5:0.8,4.62N:62.49E,h0km,mb3.8/12,
s-mbjmp3.8/12,MS3.5/35, Error ellipse: s-maj=24.4km
s-min=19.4km az=82.0

NEIC 27 14:33:47.0:9.4,4.40N:0.07:62.8E:0.2,h10km,1km,
mb4.2/7, Error ellipse: s-maj=38.9km s-min=9.5km
az=100.0

ISC 27 14:33:49.4:0.6,4.56N:0.09:62.30E:0.07,h2km,m63,
r177/46,mb4.0/20,MS3.6/34,Carlsberg Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MNCY Minicoy, MISEY Mahe Island, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KURBB Kurchatov Arra, BOSHA Boshof, BVAR Borovoye Array, etc.

NEIC 27 14:47:39.6±1.4, 16.53N±0.03±100:01W±0.02, h10km±1km, mb4.6/5, Mch4.3/10(MEX), Error ellipse: s-maj=6.0km

MEX 27 14:47:42.7±0.8, 16.62N±0.01±100:01W, h8km, Mch4.3, Error ellipse: s-maj=6.0km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ACP2 Acapulco, DAIG Los Arroyos, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like YAIG Yautepac, PBXN Popocatepetl, etc.

DC 27 15:29:00.4±1.5, 39.30N±29:85W, h0km, mb3.4/3, Error ellipse: s-maj=6.4km

SVSA 27 15:29:00.5±0.9, 39.58N±29:81W, h5km, ML3.4(INMG), Error ellipse: s-maj=4.0km s-min=6.4km az=58.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CALA Caldera, etc.

DC 27 14:50:46.6±7.1, 21.14S±178:23W, h0km, mb3.6/2, Error ellipse: s-maj=422.6km

ASAR Alice Springs 44.17 257 P 15 48 56.0 -1.5

WRA Warramunga Arr 44.30 263 P 15 48 59.6 +1.0

DC 27 15:24:21.1±1.3, 39.68N±29:63W, h0km, mb3.5/7, Error ellipse: s-maj=42.2km s-min=21.6km az=12.0

DC 27 15:24:21.3±0.3, 39.45N±0.1±10:29'6W, h8km±16km, n33, Error ellipse: s-maj=19.8km s-min=5.8km az=68.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PCAN Caldera, etc.

DC 27 15:32:21.5±0.5, 16.28N±145:62E, h526km±5km, mb3.9/34, Error ellipse: s-maj=10.3km s-min=6.0km az=97.0

NEIC 27 15:32:22.0±1.3, 16.34N±0.09±145:63E±0.06, h522km±7km, mb4.5/242, Error ellipse: s-maj=15.2km s-min=3.1km az=208.0

DC 27 15:32:22.0±0.6, 16.29N±0.04±145:61E±0.06, h533km±6km, n543, Error ellipse: s-maj=163.3C-1D, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CALA Caldera, etc.

27d 15h

2019 JAN

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and multiple columns of numerical data. The table lists various stations and their associated data points across the page.

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THZ	Tophouse	63.03	157	P	P	15 41 58.3	+1.1
KURBB	Kurchatov Arra	63.05	319	P	P	15 41 57.1	0.0
PLLA	Purkeypille	63.07	27	P	P	15 41 57.0	-0.2
SKT	Skwentna	63.09	28	P	P	15 41 56.7	-0.5
F20K	Avaraat Lake	63.11	22	P	P	15 41 57.7	+0.5
MRZ	Mangatoina R	63.13	155	P	P	15 41 58.3	+0.6
CAST	Castle Rocks	63.27	26	IAMB	IAMB	15 41 59.5	
CAST	Castle Rocks	63.27	26	P	P	15 41 58.1	-0.3
CHUM	Lake Minchumini	63.32	26	P	P	15 41 58.9	+0.3
BFZ	Birch Farm	64.13	154	P	P	15 42 00.5	+0.9
E20K	Nigu River	64.33	21	P	P	15 41 59.7	+0.3
D20K	Etiwuk River	64.38	20	P	P	15 41 60.0	+0.3
O22K	Cooper Landing	65.33	30	P	P	15 42 00.2	+0.2
SEW	Seward	65.37	30	P	P	15 42 00.0	-0.3
M22K	Willow River	65.67	29	P	P	15 42 00.6	-0.3
RC01	Rabbit Creek A	63.68	29	P	P	15 42 00.8	-0.2
H21K	Melozina River	63.70	24	P	P	15 42 01.4	+0.3
G21K	Allakaket	63.73	23	P	P	15 42 01.7	+0.5
CUT	Chulitna	63.78	28	P	P	15 42 01.4	-0.2
KTH	Kantishna Hill	63.81	27	IAMB	IAMB	15 42 03.0	
KHZ	Kahutara	63.83	157	P	P	15 42 01.1	-1.0
NR1K	Norilsk	63.83	340	P	P	15 42 01.5	-0.4
NR1K	Norilsk	63.83	340	P	P	15 42 01.4	-0.4
I21K	Tanana	63.87	25	IAMB	IAMB	15 42 03.7	
I21K	Tanana	63.87	25	P	P	15 42 02.4	+0.3
BPAW	Bear Paw Mtn.	63.94	26	IAMB	IAMB	15 42 03.7	
BPAW	Bear Paw Mtn.	63.94	26	P	P	15 42 02.6	0.0
F21K	Alatina River	63.99	22	P	P	15 42 02.7	-0.2
TRF	Thorofare Moun	64.05	27	P	P	15 42 02.8	-0.8
PMR	Palmer	64.09	29	P	P	15 42 03.1	-0.4
PMR	Palmer	64.09	29	P	P	15 42 03.0	-0.6
GVZ	Greta Valley S	64.13	158	P	P	15 42 04.5	+0.4
KSH	Kashi	64.20	306	P	P	15 42 08.0	+3.0
E21K	Killik River	64.26	21	P	P	15 42 04.3	-0.4
C21K	Knifeflaid Rid	64.27	20	P	P	15 42 05.3	+0.7
PWL	Port Wells	64.29	30	P	P	15 42 05.1	+0.2
H22K	Ishlitalna Cre	64.33	24	P	P	15 42 04.8	-0.3
KNK	Knik Glacier	64.36	29	P	P	15 42 05.5	+0.2
LBZ	Lake Benmore	64.41	161	P	P	15 42 05.4	-0.5
SML	Sawmill	64.51	29	P	P	15 42 06.0	-0.4
SML	Sawmill	64.51	29	P	P	15 42 06.4	+0.1
P23K	Montague Isan	64.55	31	P	P	15 42 06.9	+0.4
F22K	John River	64.56	22	P	P	15 42 06.7	+0.2
RND	Reindeer	64.66	27	IAMB	IAMB	15 42 07.6	
TMZ	Timaru	64.68	160	P	P	15 42 08.9	+1.4
MLZ	Mavora Lakes	64.68	163	P	P	15 42 07.8	+0.3
MCK	McKinley	64.71	27	P	P	15 42 06.7	-0.9
M23K	Glacier View	64.78	29	P	P	15 42 08.2	+0.2
D22K	Ayikyak River	64.86	21	IAMB	IAMB	15 42 10.2	
D22K	Ayikyak River	64.86	21	P	P	15 42 08.3	-0.1
GLI	Glacier Island	64.88	30	P	P	15 42 08.7	+0.1
NEA2	Nenana	64.88	26	P	P	15 42 09.0	+0.4
E22K	Anaktuvuk Pass	64.90	22	P	P	15 42 08.8	+0.1
I23K	Minto, Yukon-K	64.91	25	IAMB	IAMB	15 42 10.1	
I23K	Minto, Yukon-K	64.91	25	P	P	15 42 09.2	+0.4
A22K	Sinclair Lake	64.95	18	P	P	15 42 09.2	+0.3
SCM	Sheep Creek Mo	64.98	29	P	P	15 42 09.3	0.0
G23K	Bananza Creek	65.10	23	P	P	15 42 10.8	+0.8
B22K	Teshchepuk Lake	65.16	19	P	P	15 42 10.8	+0.6
COLD	Coldfoot	65.19	23	P	P	15 42 10.7	+0.2
WRH	Wood River Hill	65.26	26	IAMB	IAMB	15 42 11.0	
COLA	College	65.46	26	P	P	15 42 11.8	-0.4
COLA	College	65.46	26	IAMB	IAMB	15 42 14.2	
COLA	College	65.46	26	P	P	15 42 12.3	+0.1
COLA	College	65.46	26	P	P	15 42 12.0	-0.2
EYAK	Cordova Ski Ar	65.47	30	P	P	15 42 12.3	0.0
EYAK	Cordova Ski Ar	65.47	30	P	P	15 42 12.7	+0.4
KLU	Klutina	65.56	29	P	P	15 42 12.7	-0.3
M24K	Tolsona, Glenn	65.57	29	P	P	15 42 13.1	+0.1
D23K	Nanushuk River	65.57	21	IAMB	IAMB	15 42 14.9	
D23K	Nanushuk River	65.57	21	P	P	15 42 13.4	+0.5
E23K	Chandalar	65.66	22	P	P	15 42 14.4	+0.9
POKR	Poker Plat Res	65.69	25	P	P	15 42 14.3	+0.6
H24K	Noodor Dome	65.69	24	IAMB	IAMB	15 42 15.2	
H24K	Noodor Dome	65.69	24	P	P	15 42 13.6	-0.1
HDA	Harding Lake	65.73	26	IAMB	IAMB	15 42 13.6	
HDA	Harding Lake	65.73	26	P	P	15 42 13.2	-0.7
ILAR	Eielson Array	65.84	26	P	P	15 42 13.2	-1.4
TOLK	Toolik Lake Re	65.85	21	IAMB	IAMB	15 42 15.9	
TOLK	Toolik Lake Re	65.85	21	P	P	15 42 14.9	+0.3
KAIM	Kayak Island	66.02	31	P	P	15 42 16.0	+0.2
PAX	Paxson	66.06	28	P	P	15 42 16.3	+0.2
E24K	Your Creek	66.07	22	P	P	15 42 16.6	+0.5
G24K	Hadweenic Riv	66.08	24	P	P	15 42 16.2	+0.2
HARP	HAARP	66.09	28	P	P	15 42 16.3	+0.1
K24K	Donnelly Dome	66.09	27	P	P	15 42 15.5	-0.7
BMRM	Bremner River	66.09	30	P	P	15 42 16.2	-0.1
F24K	Squaw Lake	66.14	23	IAMB	IAMB	15 42 18.3	
F24K	Squaw Lake	66.14	23	P	P	15 42 17.2	+0.7

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N25K	Chitina, Valde	66.21	29	IAMB	IAMB	15 42 18.3	
N25K	Chitina, Valde	66.21	29	P	P	15 42 17.6	+0.6
D24K	Happy Valley	66.27	21	P	P	15 42 17.9	+0.8
J25K	Salcha River	66.44	26	P	P	15 42 17.2	-1.2
C24K	Franklin Bluff	66.48	20	P	P	15 42 18.8	+0.4
RIDG	Independent Ri	66.49	27	IAMB	IAMB	15 42 19.4	
RIDG	Independent Ri	66.49	27	P	P	15 42 18.4	-0.3
GLB	Gilahina Butte	66.55	30	P	P	15 42 19.4	+0.2
GLB	Gilahina Butte	66.55	30	IAMB	IAMB	15 42 20.4	
NIL	Nilore	66.64	300	P	P	15 42 20.1	-0.1
VRDI	Verde Repeater	66.69	30	IAMB	IAMB	15 42 20.7	
SCRK	Sand Creek	66.91	27	IAMB	IAMB	15 42 22.0	
SCRK	Sand Creek	66.91	27	P	P	15 42 21.5	+0.1
F25K	Chitina River	66.99	23	IAMB	IAMB	15 42 23.6	
F25K	Christian River	66.99	23	P	P	15 42 21.9	+0.2
L26K	Log Cabin Wild	67.02	28	P	P	15 42 22.8	+0.8
M26K	Nabesna, AK	67.08	29	P	P	15 42 22.8	+0.4
E25K	Arctic Village	67.14	22	IAMB	IAMB	15 42 24.6	
E25K	Arctic Village	67.14	22	P	P	15 42 22.7	0.0
D25K	Kavik River	67.15	21	P	P	15 42 23.0	+0.3
J26L	Joseph Creek	67.18	26	IAMB	IAMB	15 42 23.6	
J26L	Joseph Creek	67.18	26	P	P	15 42 22.9	-0.1
MESA	MESA	67.28	31	P	P	15 42 23.6	-0.2
BMAR	Burnt Mountain	67.35	23	P	P	15 42 24.6	+0.6
I26K	Coal Creek Min	67.50	26	P	P	15 42 24.6	-0.2
G26K	Porcupine Rive	67.55	24	P	P	15 42 25.7	+0.6
F26K	Sheenjek River	67.57	23	P	P	15 42 25.9	+0.6
M27K	Edge Creek, AK	67.59	29	IAMB	IAMB	15 42 26.9	
M27K	Edge Creek, AK	67.59	29	P	P	15 42 25.9	+0.3
L27K	Beaver Creek	67.71	28	IAMB	IAMB	15 42 27.0	
L27K	Beaver Creek	67.71	28	P	P	15 42 26.7	+0.5
BCAR	Beaver Creek A	67.73	28	P	P	15 42 26.5	+0.1
BVCY	Beaver Creek	68.07	29	P	P	15 42 28.7	+0.3
PINM	Pinnacle	68.11	31	P	P	15 42 29.7	+0.9
C27K	Jago River	68.14	21	P	P	15 42 29.3	+0.7
I27K	Kandik River	68.18	25	P	P	15 42 29.2	+0.1
YUK3	Moose Creek	68.18	29	P	P	15 42 29.5	+0.2
O28M	Mount Upton	68.21	31	P	P	15 42 30.1	+0.4
KKAR	Karatay Array	68.24	30	IAMB	IAMB	15 42 30.7	
EGAK	Eagle	68.25	26	P	P	15 42 30.0	+0.6
BVAR	Borovoye Array	68.32	32	P	P	15 42 29.8	-0.1
H27K	Steamboat Moun	68.31	25	P	P	15 42 30.3	+0.5
BRVK	Borovoye	68.34	32	P	P	15 42 29.9	-0.2
BRVK	Borovoye	68.34	32	IAMB	IAMB	15 42 31.4	
G27K	Doyon Strip	68.36	24	P	P	15 42 30.7	+0.6
YUK8	Steele Glacier	68.47	30	P	P	15 42 31.3	+0.2
E27K	Coleen River	68.61	23	P	P	15 42 31.9	+0.3
GAR	Garm	68.61	306	IAMB	IAMB	15 42 33.2	
I28M	Miner Creek	68.85	26	IAMB	IAMB	15 42 34.3	
I28M	Miner Creek	68.85	26	P	P	15 42 34.3	+0.3
DAWY	Dawson	68.92	27	IAMB	IAMB	15 42 34.9	
DAWY	Dawson	68.92	27	P	P	15 42 33.2	-0.3
O29M	Mount Kennedy	68.97	31	P	P	15 42 34.5	+0.5
YUK4	Talbot Arm	69.01	30	P	P	15 42 35.1	+0.8
D27M	Malcolm River	69.02	21	P	P	15 42 35.0	+1.0
YUK6	Outpost Mounta	69.11	30	P	P	15 42 35.6	+0.6
F28M	Old Crow	69.16	23	IAMB	IAMB	15 42 36.5	
F28M	Old Crow	69.16	23	P	P	15 42 35.0	+0.1
M29M	Somme Creek	69.18	29	P	P	15 42 35.5	+0.3
L29M	L29M	69.39	28	P	P	15 42 37.2	+0.8
E28M	Babbage River	69.43	22	P	P	15 42 37.1	+0.6
J29N	Klondike Camp	69.47	27	P	P	15 42 38.0	+1.1
I29M	Ogilvie Camp	69.52	26	P	P	15 42 37.6	+0.5
HYT	Haines Junctio	69.53	31	IAMB	IAMB		

comp-Z:0.8nm,0.7s
AKASG Malin Array Be 90.01 321 P P 16 31 54.2 -2.2
 comp-Z:0.3nm,0.6s,baz=68,slow=5.8,SNR=1=6
QSPA South Pole Qui 96.04 180 P P 16 32 24.2 +0.3
 comp-Z:2.2nm,1.0s,baz=226,slow=4.3,SNR=3=7
 comp-Z:2.2nm,1.0s
TORD Torodi Ar. Bea 122.12 290 PKP PKPdf 16 37 51.3 -0.9
 comp-Z:0.3nm,0.6s,baz=100,slow=1.0,SNR=1=9

ICD 27 16:22:47.9-4.9, 29:17N:87.08E, h0km, mb3.2/2, mbtmp3.2/4, ML3.5/2, MS3.3/1, Error ellipse: s-maj=101.6km s-min=39.5km az=53.0, Xizang

Code	Station Name	A°	AZ°	Phase ID	ISC	Time h m s	Res ISC
CMAR	Chiang Mai Arr	15.21	132	Op Pn		16 26 23.8	+0.2
		0.2nm,0.3s,baz=315,slow=11,SNR=2=6 0.2nm,0.3s					
MKAR	Makanchi Array	17.99	349	P Pn		16 26 59.2	-0.2
		0.1nm,0.3s,baz=149,slow=11,SNR=4=0 0.2nm,0.3s					
KURBB	Kurchatov Arra	22.38	346	P Pn		16 27 47.4	-0.1
		0.8nm,0.9s,baz=157,slow=12,SNR=5=0 0.8nm,0.9s					
SONM	Songino Array	23.88	33	P P		16 28 03.4	+0.2
		0.9nm,0.9s,baz=232,slow=8.7,SNR=4=3 0.9nm,0.9s					
AKASG	Malin Array Be	47.92	313	LR LR		16 55 27.6	
		comp-Z:0.3nm,19.3s,baz=295,slow=4=1					

ICD 27 16:29:23.6-1.4, 40:08N:30:07W, h0km, mb3.4/7, mbtmp3.4/7, MS2.9/2, Error ellipse: s-maj=42.8km s-min=26.9km az=180.0
SVSA 27 16:29:24.9-1.2, 39:52N:29:84W, h5km, ML2.9(INMG), Error ellipse: s-maj=9.5km s-min=2.6km az=31.0, #DIST_RANGE: REGIONAL #FMA_REGION: Crista Mdia Attitua N

ICD 27 16:29:21.4-1.4, 39:33N:0:1-29.89W+0.06, h8km, mb3.6/2, #132/28, mb3.6, Azores Islands

Code	Station Name	A°	AZ°	Phase ID	ISC	Time h m s	Res ISC
H07N1	FLORES T-PHASE	1.02	292	Op Pn		16 29 41.3	0.0
H07N1				eS Sb		16 29 52.2	-2.8
H07N1				i AML AML		16 29 55.5	
H07N1	274nm,0.3s			i AML AML		16 29 55.7	
H07N1	421nm,0.6s			i AML AML		16 29 55.8	
H07N1	303nm,0.6s			i AML AML		16 29 54.0	-0.3
H07S1	FLORES T-PHASE	1.02	274	eS Sg		16 29 54.9	
H07S1				i AML AML		16 29 54.9	
H07S1	213nm,0.4s			i AML AML		16 29 55.5	
H07S1	168nm,0.6s			i AML AML		16 29 55.8	
H07S1	228nm,0.6s			i AML AML		16 29 55.8	
PCED	Cedros	1.15	126	eP Sg		16 29 44.2	+0.4
PCED				i AML AML		16 29 58.1	-0.3
PCED	502nm,0.3s			i AML AML		16 30 03.2	
PCED	210nm,0.4s			i AML AML		16 30 05.4	
PCED	298nm,0.6s			i AML AML		16 29 44.2	+0.8
CALA	Caldeira	1.18	128	eP Sg		16 29 59.7	-0.9
CALA				i AML AML		16 30 03.2	
CALA	566nm,0.4s			i AML AML		16 30 05.9	
CALA	873nm,0.4s			i AML AML		16 30 06.2	
CALA	1um,0.5s			i AML AML		16 29 45.4	+0.8
PFGBR	Castelo Branco	1.21	131	eP Sg		16 30 00.6	-0.6
PFGBR				i AML AML		16 30 01.8	
PFGBR	427nm,0.3s			i AML AML		16 30 02.1	
PFGBR	270nm,0.4s			i AML AML		16 30 02.1	
PFGBR	109nm,0.3s			i AML AML		16 30 02.1	
PRIB2	Ribeirinha	1.23	126	eS Sg		16 30 00.5	-1.1
PRIB2				i AML AML		16 30 01.0	
PRIB2	249nm,0.1s			i AML AML		16 30 01.0	
PRIB2	337nm,0.1s			i AML AML		16 30 01.2	
PRIB2	228nm,0.4s			i AML AML		16 30 01.6	-0.8
HOR	Horta	1.26	129	eS Sg		16 30 04.4	
HOR				i AML AML		16 30 04.4	
HOR	358nm,0.3s			i AML AML		16 30 06.1	
HOR	1um,0.3s			i AML AML		16 30 08.1	
HOR	816nm,0.3s			i AML AML		16 29 47.7	-0.3
PCAN	Candelaria	1.39	128	eP Sg		16 30 04.6	-1.0
PCAN				i AML AML		16 30 06.3	
PCAN	2um,0.3s			i AML AML		16 30 07.0	
PCAN	830nm,0.5s			i AML AML		16 30 07.7	
PCAN	330nm,0.2s			i AML AML		16 29 48.0	-0.3
PICO	Pico	1.40	125	eP Sg		16 30 04.8	-1.1
PICO				i AML AML		16 30 06.0	
PICO	378nm,0.3s			i AML AML		16 30 06.3	
PICO	739nm,0.3s			i AML AML		16 30 06.5	
PICO	647nm,0.4s			i AML AML		16 29 48.0	-0.4
ROSA	Rosais	1.42	115	eP Sg		16 30 03.7	-2.6
ROSA				i AML AML		16 30 04.7	
ROSA	68nm,0.5s			i AML AML		16 30 05.4	
ROSA	51nm,0.3s			i AML AML		16 30 05.7	
ROSA	88nm,0.6s			i AML AML		16 30 07.3	-1.7
PPNO	Prainha do Nor	1.52	123	eS Sg		16 29 50.7	
PPNO				i AML AML		16 30 07.7	
PID	Ribeirinha	1.64	122	eP Sg		16 29 50.7	+0.2
PID				i AML AML		16 30 10.1	-1.6
PID	238nm,0.4s			i AML AML		16 30 17.4	
PID	287nm,0.5s			i AML AML		16 30 27.8	
PID	106nm,0.7s			i AML AML		16 29 55.7	-0.8
PSBA	Serra de Santa	2.07	105	eP Sg		16 29 56.9	-1.0
PSBA				i AML AML		16 33 59.0	+3.0
PAGU	Agualva, Azore	2.18	104	eP Sg		16 33 59.0	+3.0
PAGU				i AML AML		16 39 58.2	
ESDC	Sonsesa Array	19.99	81	P Pn		16 46 36.5	
ESDC				LR LR		16 36 49.0	+7.7
				i AML AML		16 36 59.0	-0.2
				i AML AML		16 40 37.1	-0.5
				i AML AML		16 41 05.0	+1.2

ICD 27 16:51:48.0-0.7, 1:29S:23:46W, h0km, mb4.0/16, mbtmp4.0/16, MS3.7/62, Error ellipse: s-maj=28.3km s-min=15.2km az=141.0
NEIC 27 16:51:50.3-1.5, 1:19S:0:08:23:51W:0:08, h10km, mb4.0/16, mbtmp4.0/16, MS3.7/62, Error ellipse: s-maj=28.3km s-min=15.2km az=141.0

mb4.8/25, Error ellipse: s-maj=18.9km s-min=4.3km az=137.0
GCMT 27 16:51:50.3-0.4, 1:09S:0:03:23:63W:0:02, h12km, MW4.9/77, Moment Tensor Solution. s19c21; s77c94; Duration: 0 Moment tensor: Scale 1019Nm; Mrr:0.71s,0.9; Mth:1.62s,1.3; Mbb:-0.90s,1.1; Mlt:1.67s,3.0; Mlt:1.90s,0.7; Mlr:0.08s,3.0; Best double couple: Ms2.794001016 NP1:84.000000, 852.000000, -8.000000, -8.000000; NP2: 6259.000000, 844.000000, -142.000000. Principal axes: T 3.2320, Ptg12.0000, Azm25.0000; N -0.8720, Ptg51.0000, Azm266.0000; P -2.3560, Ptg31.0000; Azm123.0000; nst2 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ICD 27 16:51:50.2-0.5, 1:22S:0:09:23:50W:0:08, h13km, n99, c0894/45, mb4.3/24, MS3.8/60, Central Mid-Atlantic Ridge

Code	Station Name	A°	AZ°	Phase ID	ISC	Time h m s	Res ISC
H10N3	ASCENSION HYDRI.1.12 127	1.12	127	Op T		16 07 19.6	
H10N2	ASCENSION HYDRI.1.12 126	1.12	126	T T		16 07 08.7	
H10N1	ASCENSION HYDRI.1.14 127	1.14	127	T T		16 07 21.2	
ASCN	Ascension	11.29	127	Pn Pn		16 54 32.2	+0.9
H10S3	ASCENSION HYDRI.1.68 131	1.68	131	T T		16 07 59.3	
H10S2	ASCENSION HYDRI.1.70 131	1.70	131	T T		16 07 05.3	
RCBR	Riachuelo	13.20	249	Pn Pn		16 54 51.1	-6.3
RCBR				Sn Sn		16 54 51.3	-6.1
RCBR	1.2nm,0.3s,baz=172,slow=22,SNR=7=1			i AML AML		16 58 40.7	-18
RCBR	1.0nm,0.3s,baz=82,slow=19,SNR=1=5			i AML AML		16 58 40.2	
RCBR	comp-Z:141nm,20.4s,baz=64,slow=31			i AML AML		16 55 35.6	-0.6
SACV	Santiago Islan	16.08	360	Pn Pn		16 55 46.2	
SACV				I Amb I Amb		16 55 46.4	
BBTS	Babate	17.22	23	LR LR		16 07 56.2	
DBIC	comp-Z:460nm,20.8s,baz=74,slow=32			i AML AML		16 56 23.9	-0.9
DBIC	Dimboro	20.19	67	P P		16 56 24.9	+0.1
DBIC	Dimboro	20.19	67	P P		16 56 24.9	+0.1
DBIC	comp-Z:1.4nm,1.0s,baz=223,slow=14,SNR=4=1			i AML AML		16 02 19.5	
DBIC	comp-Z:232nm,21.2s,baz=239,slow=31			i AML AML		16 07 42.6	+0.4
BDFB	Brasilila	28.11	238	P P		16 57 39.1	
BDFB	comp-Z:1.9nm,0.9s,baz=258,slow=18,SNR=3=2			i AML AML		16 57 39.1	
BDFB	comp-Z:561nm,20.9s,baz=117,slow=34			i AML AML		16 57 48.2	+0.2
TORD	Torodi Ar. Bea	28.78	59	P P		16 57 47.5	-0.6
TORD				LR LR		16 57 47.5	-0.6
TORD	comp-Z:1.2nm,0.8s,baz=240,slow=9.7,SNR=5=0			i AML AML		16 57 53.8	
TORD	comp-Z:1.48nm,19.5s,baz=254,slow=34			i AML AML		16 07 31.6	
MDP	Montagnes des	29.78	282	LR LR		16 56 00.5	-1.0
BOAV	Boa Vista	37.19	276	P P		16 59 06.5	+0.5
ITAB	Concordia	37.73	224	P P		16 59 23.1	
ITAB				I Amb I Amb		16 59 06.9	-0.5
PTBL	Pontes e Lacer	37.90	246	P P		16 59 11.5	
PTBL				I Amb I Amb		16 59 11.5	
MDT	Midelt	38.26	26	LR LR		16 57 46.5	
SIV	comp-Z:233nm,20.0s,baz=246,slow=34			i AML AML		16 57 27.8	
SIV	San Ignacio	39.84	246	LR LR		16 57 27.8	
SIV	comp-Z:1.63nm,18.5s,baz=110,slow=36			i AML AML		16 59 31.3	0.0
SFS	San Fernando	40.80	22	P P		16 59 30.9	-2.3
CPUR	Ciudad Pinar	41.01	230	P P		16 59 31.3	0.0
CPUR	comp-Z:1.9nm,0.7s,baz=60,slow=7.5,SNR=4=6			i AML AML		16 59 30.9	-2.3
CPUR	comp-Z:2.236nm,19.2s,baz=68,slow=35			i AML AML		16 59 50.8	
CPUR	comp-Z:1.9nm,0.7s			i AML AML		16 59 50.8	
PCRV	Puerto La Cruz	42.48	286	LR LR		16 59 52.2	+0.9
ETMB	Extrema	43.32	257	P P		16 59 52.2	+0.9
TSUM	Tsumeb	44.02	117	LR LR		16 59 52.2	+0.9
ESDC	Sonsesa Array	44.46	22	P P		16 59 52.2	+0.9
ESDC				LR LR		16 59 52.2	+0.9
ESDC	comp-Z:1.1nm,0.9s,baz=214,slow=8.9,SNR=5=0			i AML AML		16 59 52.2	+0.9
ESDC	comp-Z:7.76nm,21.5s,baz=261,slow=34			i AML AML		16 59 52.2	+0.9
ESDC	comp-Z:1.1nm,0.9s			i AML AML		16 59 52.2	+0.9
SJG							

Table with columns: Station Name, Time, Res, and various codes. Includes stations like RK1H, MSFU, MSVF, AS01, AS31, ASAR, ASAR, ASAR, OOD, BBOO, BBOO, URZ, WRKA, RTZ, BKZ, BKZ, KAPI, RAR, MEK, MJAR, MJAR, JUNU, PPT, PPT2, PPT2, TBI, TBI, KSR, KSR, KSR, NJ2, NJ2, USRK, PETK, HNS, HNS, KLR, XAN, XAN, HEH, HEH, CM31, CMAR, CMAR, CMAR, CHTO, CHTO, XLT, XLT, XLT, PZH, PZH, PZH, HHC, HHC, HHC, CD2, CD2, BTO, BTO, BTO, BTO, VNA, VNA, VNA, VNA, LZH, LZH, MA2, MA2, MA2, ULSN, ULSN, ULSN, SONM, SONM, SONM.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like YAK, G16K, G16K, GSPA, GSPA, CAST, CAST, G19K, G19K, G21K, G21K, D19K, D19K, WMO, WMO, WMO, ILAR, ILAR, J25K, J25K, D22K, D22K, G24K, G24K, E23K, E23K, D23K, D23K, C24K, C24K, M30M, M30M, K29M, K29M, YBH, YBH, E27K, E27K, MKAR, MKAR, MKAR, AFDM, AFDM, AFDM, MAZK, MAZK, ZALV, ZALV, J05D, J05D, J05D, NVAR, NVAR, NVAR, DSP, DSP, DSP, NV11, NV11, PFO, PFO, ESJX, ESJX, KSH, KSH, KSH, G08A, G08A, WCT, WCT, KURBB, KURBB, R11B, R11B, AAK, AAK, ELK, ELK, NEW, NEW, BELA, BELA, LAZ, LAZ, YKA, YKA, BVAR, BVAR, BVAR, BVAR, PDAR, PDAR, ANMO, ANMO, AKAS, AKAS, BOSA, BOSA, BRTR, BRTR, NB2, NB2, NOA, NOA, LPAZ, LPAZ, GERES, GERES, BDFB, BDFB, MAL2, MAL2, ESCD, ESCD, TORD, TORD, TORD, TORD.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like 21nm, 21nm, BBB, BBB, CBB, CBB, OZB, OZB, JEDB, JEDB, BAIB, BAIB, MGRB, MGRB, TXB, TXB, BUTB, BUTB, GRIB, GRIB, BNAB, BNAB, WPB, WPB, GRNB, GRNB, WSLR, WSLR, UBRB, UBRB, LLLB, LLLB, NEW, NEW, YBH, YBH, YBH, YKA, YKA, YKA, ILAR, ILAR, ULM, ULM, ULM, H1N2, H1N2, H1N3, H1N3, H1N1, H1N1, AKAS, AKAS, IDC 27:20:12.23, IDC 27:20:12.23, IDC 27:20:13.29, IDC 27:20:13.29, IDC 27:20:13.35, IDC 27:20:13.35, WRA, WRA, ASAR, ASAR, H1N1, H1N1, H1N2, H1N2, H1N3, H1N3, SONM, SONM, MKAR, MKAR, BVAR, BVAR, BVAR, BVAR, PDAR, PDAR, ANMO, ANMO, AKAS, AKAS, BOSA, BOSA, BRTR, BRTR, NB2, NB2, NOA, NOA, LPAZ, LPAZ, GERES, GERES, BDFB, BDFB, MAL2, MAL2, ESCD, ESCD, TORD, TORD, TORD, TORD, LDG 27:20:18.5, LDG 27:20:18.5, IPEC 27:20:49.0, IPEC 27:20:49.0, PRU 27:20:50.9, PRU 27:20:50.9, OKC, OKC, STEB, STEB, MORC, MORC, OJC, OJC, LANS, LANS, LANS, LANS, JAVC, JAVC, JAVC, JAVC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRCL, NIE, VNIH, VYHS, VRAC, DPC, DPC, KRUC, KRUC, OSTC, MODS, KSP, KSP, UPC, UPC, CHVC, STHS, STHS, KECS, KECS, GORC, KOLS, PRU, CONA, CONA, RONA, RONA, PVCC, BRG, BRG, ARSA, KHC, KHC, MOA, MOA, CLL.

IDC 27:20:50.14.9.1.8,9'52N.126'30E,h0km,mb3.8/5, mbtmp3.8/5, Error ellipse: s-maj=200.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR, H1S3, H1S1, H1S2, H1N1, H1N2, H1N3, SONM, MKAR, ARCES, FINES.

TRN 27:20:59.13.4,15'20N.60'58W,h16km,MD3.6, East of Dominica, Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DSLB, DSLB, TBG, ANBD, ANBD.

IDC 27:21:22:55.8.2.7,14'42N.40'15E,h0km,mb3.8/5, mbtmp3.8/5,MS3.4/5, Error ellipse: s-maj=73.2km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRTR, KEST, TORD, TORD, TSUM, AAK, KIRV, MKAR, ZALV, SONM.

SOME 27:21:55:02.6,39'62N.73'53E,h10km NNC 27:21:55:05.8,2.9,39'64N.73'99E,h0km,mb3.5,mpv3.3

CRNET 27:21:55:05.4,0.1,39'65N.73'78E,h11km,mb2.8

ISC 27:21:55:02.9,1.4,39'66N.05'73.89E,0.03,h3km,11km, n39,c147/67,30C-15,Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SFK, OHH, SALK, DRK, ARSB, ARSB, ARLS, ARLS, BTK, BTK, AML.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AML, ARK, ARK, UCH, UCH, TRKS, Terek-Say, GARM, ERKIN-SAY, EKS2, AAK, Ala-Archa, AAK, MNAS, MNAS, MRKS, MRKS, MRKS, MRKS, ULHL, ULHL, BOOM, Boomskeye usch, TKM2, TKM2, KDJ, KDJ, KDJ, KDJ, USP, USP, KST, KST, KST, KST, IUG, IUG, IUG, IUG, DGS, DGS, DGS, DGS, DGS, DGS, MTBS, MTBS, MTBS, MTBS, TNS, TNS, TNS, TNS, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, KK31, KK31, KK31, KK31, KKAR, KKAR, KOTS, KOTS, KOTS, KOTS, KOTS, KOTS, CHHK, CHHK, CHHK, CHHK.

IDC 27:21:59:20.0,0.9,3'22S.146'69E,h0km,mb4.2/12, mbtmp4.2/14,ML2.5/2,MS3.7/33, Error ellipse: s-maj=31.2km s-min=16.2km az=93.0

NEIC 27:21:59:23.8,1.6,2'96S.0'08.146,41E:0.07,h26km,5km, mb5.0/25, Error ellipse: s-maj=13.1km s-min=8.2km az=140.0

GCMT 27:21:59:24.8,0.3,3'14S:0'02.146'39E:0'02,h12km,2km, MW4.7/76, Moment Tensor Solution. s10,c12; s76,c100; Duration: 0 Moment tensor: Scale 10^16Nm; M1:0.24,-0.07; M2:0.17,-0.07; M3:0.06,-0.07; M4:0.32,-0.20; M5:1.48,-0.26; M6:0.16,-1.17; Best double couple: M1:1.53300x10^16 NP:1.2,0.0000; 376.00000; 4.171,0.0000; NP2: 62.70,0.0000; 382.00000; 14.00000; Principal axes: P 1.6080, Plg4.0000; Azm317.0000; N -0.1500, Plg74.0000; Azm60.0000; P -1.4580, Plg16.0000; Azm225.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 27:21:59:25.6,0.3,1'55S:0'05.146'48E:0'07,h35km,n84, c181/63,mb4.6/30,MS3.9/34,C3,Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MANU, MANU, RABL, JAY, PMG, PMG, COEN, GUMO, CTAO, CTAO, MTN, MTN, WRAB, WRAB, WRAB, WRAB, WRB, WRB, WRA, WRA, KNRA, KNRA, EIDS, EIDS, SOEI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SOEI, AS31, ASAR, LUWI, KAPI, DZM, DZM, ARMA, ARMA, STKA, STKA, STKA, JCJ, FORT, TGY, BBOW, BBOW, MBWA, MBWA, CAN, FORT, MSVF, JOW, MORW, QIZ, QIZ, NJ2, NJ2, URZ, ASAJ, HNS, HNS, HNS, HNS, KMI, KMI, XAN, XAN, XAN, CMAR, CMAR, PZH, PZH, PZH, HHC, HHC, HHC, XLT, XLT, XLT, BTO, BTO, BTO, RAR, HEH, HEH, BRDH, GTA, GTA, SONM, PPT, PPT2, TBI, HYB, VYDA, VYDA, MKAR, MKAR, MAZK, MAZK, ZALV, KDKA, KURBB, KURBB, AAK, KNK, SML, NRK, NRK, ILAR, ILAR, ILAR, VRDI, VRDI, BVAR, BMAR, GSPA, WHY, DLBC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Bella Bella, Aktyubinsk, Arti, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Chiang Mai Arr, Warramunga Arr, Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Bobbio (Coli), Gorroto, Maissana, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Ampana, Sanana, Warramunga Arr, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Nonsavut, DZM, STKA, etc.

AKASG Malin Array Be 142.90 330 PKP PKPdf 23 04 15.2 -2.8

MDD 27 22:47:06.8, 0.8, 35:90N:2:63W, h0km, mb_Lg2.3/4, Error ellipse: s-maj=9.1km s-min=3.9km az=97.0

SFS 27 22:47:06.2, 35:82N:2:44W, h7km, ML2.9/7, ML2.4/7, MLV2.1/7

CNRM 27 22:47:06.4, 35:68N:2:35W, h26km, ML2.4

ISC 27 22:47:05.9, 1.3, 35:79N:0:03, 2:44W, 0.06, h26km, 13km, n25, c103/31, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Melilla, Mont Gurugu, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Waikabubak, WSI, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Matakaoa Point, HAZ, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCIG, THIG, etc.

NEUV Yosondua 4.22 299 eS Sb 23 30 56.9 -1.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Toxpalan, Huajuap, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Tackaleechee C, SADO, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Arkhangelos, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kastellorizon, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Bodrum, etc.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KORT, etc.

27d 23h

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details for various stations like NATA, TROD, IMMV, etc.

BUJ 27 23:45:53.6,24:33N,93:92E, h60km, mB4.6/12, mb4.3/30, ML4.1/5
NDI 27 23:45:55.0,3.6,24:31N,94:11E, h74km,17km,ML5.4,6, MW4.5, mb4.7(NEIC)
NEIC 27 23:45:56.9,1.6,24:40N,0:07,94:02E,0.0,0.8, h65km,5km, mb4.7/52, Error ellipse: s-maj=12.1km s-min=7.8km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other technical details for stations like IMP, AZL, SHL, BRDH, ZIRO, etc.

2019 JAN

Main table listing stations and their parameters for January 2019, including stations like BOK, PZH, CMAR, KNTI, etc.

1628

Table listing stations and their parameters for 1628, including stations like SIMJ, XLT, KKAR, etc.

28d Oh

2019 JAN

PINE	Pine Mountain	83.78	38	P	P	00 11 54.6 +0.7
PINE	comp=Z,17nm,0.8s			I Amb	I Amb	00 11 56.1
N18K	Klata Creek	83.83	11	P	P	00 11 53.6 0.0
I05D	Terrebonne, OR	83.88	38	P	P	00 11 54.7 +0.4
I05D	comp=Z,13nm,0.9s			I Amb	I Amb	00 11 56.1
L15K	Ungalak Mouna	83.90	8	P	P	00 11 54.8 +0.9
O20K	Slope Mountain	83.91	13	P	P	00 11 53.5 -0.5
R11B	Troy Canyon, C	83.95	45	P	P	00 11 53.5 -1.4
BRSE	Bradley Lake S	84.01	14	P	P	00 11 53.6 -0.9
TUC	Tucson	84.18	52	P	P	00 11 57.2 +1.1
TUC	Tucson	84.18	52	P	P	00 11 56.6 +0.6
TUC	comp=Z,5.8nm,0.9s			I Amb	I Amb	00 11 58.6
N19K	Bonanza Creek	84.22	12	P	P	00 11 54.8 -0.7
M17K	Hollister River	84.24	10	P	P	00 11 55.1 -0.5
WVOR	Wild Horse Val	84.33	40	P	P	00 11 56.0 -0.6
NLWA	Neiton Lookou	84.41	34	P	P	00 11 57.2 +0.4
NLWA	comp=Z,22nm,1.2s			I Amb	I Amb	00 11 58.9
K15K	Wolf Creek Mou	84.48	8	P	P	00 11 56.1 -0.6
SEW	Seward	84.63	14	P	P	00 11 56.6 -0.8
X16A	Lo Mia Camp, P	84.75	50	P	P	00 11 59.5 +0.6
I07A	Izeze	84.78	39	P	P	00 11 59.4 +0.6
I07A	comp=Z,9.9nm,1.1s			I Amb	I Amb	00 12 00.7
L17K	Donlin	84.80	10	P	P	00 11 58.0 -0.3
LCMT	Little Creek M	84.81	47	P	P	00 11 59.3 +0.2
SLKM	Skilak Lake	84.82	14	P	P	00 11 57.2 -1.2
G06A	Carlson Farm,	84.83	37	P	P	00 11 58.6 -0.3
319A	Douglas	84.85	54	P	P	00 11 59.6 +0.2
319A	comp=Z,14nm,1.0s			I Amb	I Amb	00 12 00.7
CAPN	Captain Cook N	84.85	13	P	P	00 11 58.4 -0.1
J08A	Circle Bar Ran	84.96	40	P	P	00 12 00.1 +0.5
J08A	comp=Z,16nm,1.4s			I Amb	I Amb	00 12 01.5
GAMB	Gambell	85.01	3	P	P	00 11 58.5 -0.7
SPCR	Spurr Chakacha	85.02	13	P	P	00 11 58.5 -1.0
P23K	Montague Islan	85.03	15	P	P	00 11 59.3 -0.1
GNW	Green Mountain	85.07	34	P	P	00 11 59.4 -0.5
KNB	Kanab	85.11	47	P	P	00 11 59.6 -1.0
L18K	Granite Mounta	85.13	10	P	P	00 11 59.0 -0.8
U15A	North Rim	85.17	48	P	P	00 12 01.6 +0.6
U15A	comp=Z,9.1nm,0.7s			I Amb	I Amb	00 12 03.1
CLRS	Cowichan Lake	85.20	33	P	P	00 12 01.3 +0.8
CLRS	comp=Z,19nm,1.4s			I Amb	I Amb	00 12 18.7
D05A	Enumclaw	85.28	35	P	P	00 11 60.0 -1.0
K17K	Iditarod	85.35	9	P	P	00 11 59.2 -1.6
WUJZ	Wupatki	85.35	49	P	P	00 12 02.0 +0.3
STLK	Strandline Lak	85.37	13	P	P	00 11 59.5 -1.6
L19K	White Mountain	85.42	11	P	P	00 11 59.4 -1.8
M20K	Styx River	85.46	12	P	P	00 12 00.1 -1.5
HNS	Hongshan	85.46	313	P	P	00 12 02.3 +0.3
HNS	comp=Z,10.0nm,1.0s			pmax	pmax	
ELK	Elko	85.48	43	P	P	00 12 02.6 +0.2
DUN6	Lazy B Ranch	85.55	53	P	P	00 12 03.4 +0.7
HEH	Heihe	85.56	329	P	P	00 12 02.0 -0.1
HEH	comp=Z,11nm,1.1s			pmax	pmax	
PWL	Port Wells	85.56	14	P	P	00 12 00.3 -1.7
LYN	LuoYang	85.60	310	P	P	00 12 04.0 +1.3
LYN	comp=Z,20nm,0.6s			pmax	pmax	
HPIG	HPIG	85.61	59	P	P	00 12 04.1 +0.9
HPIG	comp=Z,6.3nm,0.9s			I Amb	I Amb	00 12 05.0
F07A	Phinny Hill Vi	85.62	37	P	P	00 12 02.9 +0.3
G08A	Pilot Rock	85.81	38	P	P	00 12 04.2 +0.5
G08A	comp=Z,7.7nm,0.8s			I Amb	I Amb	00 12 04.9
MXC	Moxie City	85.83	36	P	P	00 12 03.8 +0.3
MXC	comp=Z,8.3nm,0.9s			I Amb	I Amb	00 12 05.3
SKT	Skwentna	85.86	13	P	P	00 12 01.6 -1.8
L20K	Farewell, AK	85.87	11	P	P	00 12 01.3 -2.1
GLI	Glacier Island	85.87	15	P	P	00 12 03.0 -0.4
GLI	Glacier Island	85.87	15	P	P	00 12 02.1 -1.3
X18A	Snowflake	85.88	51	P	P	00 12 04.7 +0.4
J17K	VABM Dome	85.88	9	P	P	00 12 02.3 -1.1
TTA	Tatalina	85.91	10	P	P	00 12 03.0 -0.6
M22K	Willow	85.96	13	P	P	00 12 03.0 -0.7
M22K	Willow	85.96	13	P	P	00 12 03.1 -0.7
KNK	Knik Glacier	86.02	14	P	P	00 12 03.6 -0.6
KNK	comp=Z,14nm,0.9s			I Amb	I Amb	00 12 04.5
KNK	comp=Z,14nm,0.9s			I Amb	I Amb	00 12 02.7 -1.5
PMR	Palmer	86.03	14	P	P	00 12 02.6 -1.5
PMR	Palmer	86.03	14	P	P	00 12 02.8 -1.3
LTY	Liberty	86.03	36	P	P	00 12 04.3 -0.3
LTY	comp=Z,10nm,1.2s			I Amb	I Amb	00 12 05.9
E07A	Sunnyside	86.06	36	P	P	00 12 05.4 +0.7
E07A	comp=Z,13nm,0.9s			I Amb	I Amb	00 12 06.5
HAWA	Hanford	86.14	37	P	P	00 12 04.9 -0.1
HAWA	comp=Z,8.6nm,0.8s			I Amb	I Amb	00 12 06.9
SIT	Sitka	86.22	22	P	P	00 12 04.4 -0.7
GHO	Glory Hole Cre	86.23	14	P	P	00 12 04.7 -0.5
J18K	Innok River	86.30	10	P	P	00 12 04.4 -1.0
V35K	Ketchikan	86.31	25	P	P	00 12 04.4 -1.2
U33K	Whale Pass	86.31	24	P	P	00 12 03.4 -2.1
MSU	Marysvalde	86.31	46	P	P	00 12 07.0 +0.6
ZAIG	Zacatecas	86.36	64	P	P	00 12 06.8 -0.2
CUT	Chulitna	86.51	13	P	P	00 12 05.3 -1.0
CUT	comp=Z,20nm,0.9s			I Amb	I Amb	00 12 06.1 -0.2
BMO	Blue Mountains	86.51	39	P	P	00 12 06.9 0.0
121A	Cookes Peak, D	86.51	53	P	P	00 12 04.5 -2.9
M23K	Glacier View	86.52	14	P	P	00 12 05.7 -0.8
BMRM	Bremner River	86.57	16	P	P	00 12 06.1 -0.7
MFID	Camas Ranch	86.58	41	P	P	00 12 07.4 +0.1
WAX	Waxell Ridge	86.59	17	P	P	00 12 05.9 0.0
S31K	Pelican	86.61	21	P	P	00 12 05.9 -1.0
MESA	MESA	86.62	18	P	P	00 12 07.6 +0.4
MESA	comp=Z,214			I Amb	I Amb	00 12 06.0 -1.2
K20K	Telida	86.64	11	P	P	00 12 06.0 -1.0
SCM	Sheep Creek Mo	86.65	14	P	P	00 12 07.2 +0.1
SCM	comp=Z,20nm,0.9s			I Amb	I Amb	00 12 05.8 -1.3
H16K	Elim	86.66	7	P	P	00 12 06.3 -0.7
KLU	Klutina	86.69	15	P	P	00 12 07.5 +0.1

KLU	comp=Z,10.0nm,1.2s			I Amb	I Amb	00 12 09.7
KLU	Klutina	86.69	15	P	P	00 12 06.2 -1.1
S32K	Kilnoo	86.80	22	P	P	00 12 06.9 -0.9
G15K	Niukuk	86.81	6	P	P	00 12 06.6 -1.1
WRAK	Wrangell Islan	86.83	24	P	P	00 12 05.9 -2.0
D08A	Wollman Farm,	86.87	36	P	P	00 12 08.9 +0.5
D08A	comp=Z,14nm,1.0s			I Amb	I Amb	00 12 10.2
J19K	Poorman	86.97	10	P	P	00 12 08.3 -0.2
J19K	Poorman	86.97	10	P	P	00 12 07.9 -0.6
E09A	Wood Farm, Sta	86.98	37	P	P	00 12 09.3 +0.3
E09A	comp=Z,9.9nm,1.1s			I Amb	I Amb	00 12 10.4
TNA	Tin City	87.03	5	P	P	00 12 07.1 -1.6
CAST	Castle Rocks	87.06	12	P	P	00 12 07.1 -1.9
CAST	comp=Z,10nm,0.8s			I Amb	I Amb	00 12 08.1
CAST	Castle Rocks	87.06	12	P	P	00 12 07.2 -1.8
F14K	Arctic Creek	87.07	5	P	P	00 12 07.1 -1.8
VRDI	Verde Repeater	87.09	16	P	P	00 12 09.0 -0.4
VRDI	comp=Z,11nm,1.1s			I Amb	I Amb	00 12 10.8
N25K	Chitina, Valde	87.11	16	P	P	00 12 09.0 -0.4
N25K	comp=Z,9.8nm,0.7s			I Amb	I Amb	00 12 10.0
N25K	Chitina, Valde	87.11	16	P	P	00 12 06.8 -2.5
EPT	El Paso	87.12	54	P	P	00 12 10.2 0.0
EPT	comp=Z,11nm,1.1s			I Amb	I Amb	00 12 12.5
M24K	Tolson, Glenn	87.16	15	P	P	00 12 08.4 -1.1
GLB	Gilahina Butte	87.18	16	P	P	00 12 09.4 -0.2
GLB	comp=Z,5.9nm,0.7s			I Amb	I Amb	00 12 09.7
F10A	Beach Ranch, E	87.19	38	P	P	00 12 09.9 -0.2
Q16A	Castle Valley	87.20	46	P	P	00 12 11.7 +1.2
G16K	Koyuk River	87.38	7	P	P	00 12 09.5 -0.9
H21K	Nowinta River	87.39	11	P	P	00 12 09.8 -0.6
J20K	comp=Z,5.4nm,0.8s			I Amb	I Amb	00 12 10.4
J20K	Nowinta River	87.39	11	P	P	00 12 09.0 -1.5
PLID	Pearl Lake	87.41	39	P	P	00 12 10.9 -0.5
PLID	comp=Z,12nm,1.4s			I Amb	I Amb	00 12 12.7
KTH	Kantishna Hill	87.41	12	P	P	00 12 08.9 -1.8
KTH	comp=Z,9.3nm,0.8s			I Amb	I Amb	00 12 10.8
B08A	Colville Reser	87.41	35	P	P	00 12 11.2 +0.2
B08A	comp=Z,9.9nm,0.8s			I Amb	I Amb	00 12 11.9
R32K	Eaglecrest	87.43	22	P	P	00 12 08.8 -2.0
CHUM	Lake Minchum	87.44	11	P	P	00 12 07.9 -2.8
TRF	Thorofore Moun	87.44	12	P	P	00 12 09.3 -1.6
LLBL	Lillooet	87.46	32	P	P	00 12 11.6 +0.4
LLBL	comp=Z,10nm,1.1s			I Amb	I Amb	00 12 12.6
GCSA	Galena City Sc	87.48	9	P	P	00 12 08.9 -2.0
HLID	Hailey	87.53	41	P	P	00 12 12.2 +0.4
HLID	comp=Z,7.1nm,1.0s			I Amb	I Amb	00 12 13.9
SPUT	South Promont	87.57	44	P	P	00 12 12.3 +0.2
O28M	Mount Upton	87.61	18	P	P	00 12 09.2 -2.8
HVU	Hansel Valley	87.61	43	P	P	00 12 12.3 +0.1
H18K	Hnhosa River	87.65	9	P	P	00 12 10.2 -1.5
HARP	HAARP	87.66	15	P	P	00 12 09.1 -2.6
C09A	Chrisman Ranch	87.66	36	P	P	00 12 12.2 0.0
C09A	comp=Z,11nm,0.9s			I Amb	I Amb	00 12 13.5
G17K	Kiwaliik Mouna	87.68	8	P	P	00 12 11.0 -0.8
RND	Reindeer	87.70	13	P	P	00 12 10.9 -1.1
O29M	Mount Kennedy	87.70	19	P	P	00 12 11.4 -0.8
CTU	Camp Tracy	87.71	45	P	P	00 12 12.7 -0.1

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like H0S2S Diego Garcia H, H0S1S Diego Garcia H, H0S3S Diego Garcia H, etc.

THE 28 01:07:28.8, 37°57N, 20°61E, h0km, 3km, ML3.7/10, Error ellipse: s-maj=4.6km s-min=1.1km az=228.0, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like KYPS Kipseli, Zakin, ORTH Orthonies, Zaky, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ITM comp=N, 6952um, 0.7s, LKDD Lefkada island, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like VRI Vrincoicia, VRI Vrincoicia, SCHL Scheila, etc.

Table with columns: NOA, NORSAR Array B, 24.16 349 P, P, 01 12 46.3 +0.2, comp=Z,0.3nm,0.5s,baz=162,slow=8.7,SNR=4.8

IDC 28 01:12:22.2-2.3, 47.68N:153.59E, h0km, mb3.5/5, mbtmp3.6/6, ML3.5/1, Error ellipse: s-maj=56.2km

MOS 28 01:12:31.4-1.3, 47.66N:155.89E, h20km, mb3.9/1, Error ellipse: s-maj=73.1km s-min=6.7km az=80.7

KRSC 28 01:12:39.1-2.2, 48.26N:156.14E, h21km, 57km, ML4.3 SKHL 28 01:12:39.1-2.2, 48.10N:156.00E, h77km, 7km, mb4.6/5

ISC 28 01:12:38.5-1.1, 47.99N:010.156E, 0.1, h35km, n3res, s=19747, mb3.6/5, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SKR Severo-Kuril's, 2.69 0 eP, Pn, 01 13 19.2 +0.0

Table with columns: KRX Arik, 5.61 16 PN, Pn, 01 14 01.5 +2.1, KRX Arik, 5.61 16 eS, Pn, 01 14 01.6 +2.1

GCG 28 01:12:53.7-2.3, 14.39N:93.88W, h21km, 41km, MD4.7, Hypocenter not reviewed by the ISC

IDC 28 01:12:54.8-1.7, 14.80N:93.73W, h0km, mb4.0/5, mbtmp3.9/8, ML3.7/3, MS3.5/6, Error ellipse: s-maj=42.0km

MEX 28 01:13:01.8-0.8, 14.78N:93.59W, h11km, 20km, MD4.3 ISC 28 01:12:55.2-2.6, 14.77N:06.93E, h0.04, h9km, 16km, n32, s=197542, mb4.0/5, MS3.5/6, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, PCIG Arica, 1.04 26 Op, ISC, h m s ISC, PCIG Arica, 1.04 26 eP, Pn, 01 13 17.3 +0.8

ISC 28 01:15:19.1-1.0, 2.06N:005.110W, 0.05, h15km, n6, s=0531/10, 4C-2D, Gulf of California

Code, Station Name, Az, Phase ID, Time, Res, NE77 Loreto B.C.S, 0.91 271 fP, Pn, 01 15 33.4 +0.1

Code, Station Name, Az, Phase ID, Time, Res, UAGRB Rancho Utitlan, 0.93 242f eP, Pg, 01 15 34.1 +0.3

Code, Station Name, Az, Phase ID, Time, Res, EVARG San Evaristo, 1.14 197 eP, Pn, 01 15 37.4 +0.2

Code, Station Name, Az, Phase ID, Time, Res, TSIG Topolobambo, 1.25 108f eP, Pn, 01 15 39.2 +0.0

Code, Station Name, Az, Phase ID, Time, Res, NE80 Navejoa, 1.36 48 eP, Pn, 01 15 40.8 +0.5

Code, Station Name, Az, Phase ID, Time, Res, NE80 Cd. Obregon, 1.42 8 eP, Pn, 01 15 42.0 +0.1

SFS 28 01:24:49.8, 35.82N:2.41W, h1km, ML2.7/6, ML2.2/7, ML1.9/7

CNRN 28 01:24:49.5, 35.77N:2.48W, h27km, ML2.2 MDD 28 01:24:50.3, 1.3, 35.80N:2.54W, h9km, 21km, mb, Lg2.4/5, Error ellipse: s-maj=19.1km s-min=6.3km az=160.0

ISC 28 01:24:49.8-1.3, 35.77N:0.03:2.49W, 0.04, h24km, 14km, n30, s=0566/37, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, WMELI Melilla, 0.59 220 Op, Pn, 01 25 01.1 +0.4

Table with columns: WRA Warramunga Arr, 30.98 254 P, P, 01 19 20.1 0.0, ASAR Alice Springs, 32.01 247 P, P, 01 19 29.1 -0.2

IDC 28 01:13:46.7-4.7, 13.93S:176.00W, h0km, mb4.0/2, mbtmp4.0/3, ML5.3/1, MS3.8/7, Error ellipse: s-maj=255.8km s-min=47.6km az=143.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, MSVF Nonsavu, 6.84 236 Op, Pn, 01 15 29.5 +1.1

Code, Station Name, Az, Phase ID, Time, Res, NE77 Loreto B.C.S, 0.91 271 fP, Pn, 01 15 33.4 +0.1

Code, Station Name, Az, Phase ID, Time, Res, NE77 Loreto B.C.S, 0.91 271 fP, Pn, 01 15 33.4 +0.1

Code, Station Name, Az, Phase ID, Time, Res, NE77 Loreto B.C.S, 0.91 271 fP, Pn, 01 15 33.4 +0.1

Code, Station Name, Az, Phase ID, Time, Res, UAGRB Rancho Utitlan, 0.93 242f eP, Pg, 01 15 34.1 +0.3

Code, Station Name, Az, Phase ID, Time, Res, EVARG San Evaristo, 1.14 197 eP, Pn, 01 15 37.4 +0.2

Code, Station Name, Az, Phase ID, Time, Res, TSIG Topolobambo, 1.25 108f eP, Pn, 01 15 39.2 +0.0

Code, Station Name, Az, Phase ID, Time, Res, NE80 Navejoa, 1.36 48 eP, Pn, 01 15 40.8 +0.5

Code, Station Name, Az, Phase ID, Time, Res, NE80 Cd. Obregon, 1.42 8 eP, Pn, 01 15 42.0 +0.1

SFS 28 01:24:49.8, 35.82N:2.41W, h1km, ML2.7/6, ML2.2/7, ML1.9/7

CNRN 28 01:24:49.5, 35.77N:2.48W, h27km, ML2.2 MDD 28 01:24:50.3, 1.3, 35.80N:2.54W, h9km, 21km, mb, Lg2.4/5, Error ellipse: s-maj=19.1km s-min=6.3km az=160.0

ISC 28 01:24:49.8-1.3, 35.77N:0.03:2.49W, 0.04, h24km, 14km, n30, s=0566/37, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, WMELI Melilla, 0.59 220 Op, Pn, 01 25 01.1 +0.4

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMUR, SMIR, SMIR Smir Dam, etc.

IDC 28 01:27:25.0, 7.48, 91S, 121.16E, h0km, mb4.3/9, mbmp4.3/9, MS4.0/30, Error ellipse: s-maj=38.6km

NEIC 28 01:27:27.1, 1.3, 48.92S, 0.05, 121.2E, 0.3, h10km, 1km, mb4.5/15, Error ellipse: s-maj=35.1km s-min=6.6km

GCMT 28 01:27:28.1, 0.2, 48.93S, 0.02, 121.30E, 0.04, h13km, 1km, MW4.9/83, Moment Tensor Solution, s25.c27, s83.c116; Duration: 0 Moment tensor: Scale 1019Nm; Mir-2.15s; 1.16; Mw=1.84; Mo=0.31e-9; Mw=0.08; 27; Mw=0.85; 0.6; Mw=1.42; 32; Best double couple: Mo=2.57500e+10

ISC 28 01:27:26.6, 0.48, 92S, 0.08, 121.2E, 0.2, h10km, n62, o564/36, mb4.4/13, MS4.1/30, Western Indian-Antarctic Ridge

Main station list for 1635, including Cape Leeuwin, Narrogin, Forreast, Alice Springs, Warramunga Arr, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TOR, ILAR, NVAR, TXAR, YHL, PD31, etc.

IDC 28 01:30:09.8, 4.9, 1509S, 173.47W, h0km, mb3.9/4, mbmp3.9/4, Error ellipse: s-maj=219.9km

ISC 28 01:31:56.1, 5.1, 14.49N, 93.68W, h0km, mb3.8/6, mbmp3.7/9, ML3.5/3, MS3.5/9, Error ellipse: s-maj=49.7km

MEX 28 01:37:52.7, 1.1, 14.33N, 93.88W, h18km, 59km, MD4.3, GCG 28 01:37:52.3, 1.4, 30N, 93.83W, h36km, 99km, MD4.7, Hypocentre not reviewed by the ISC

ISC 28 01:37:50.7, 1.5, 14.62N, 0.05, 93.83W, 0.04, h9km, g1km, n41, c2611/0, mb3.9/6, MS3.9/9, Near coast of Chiapas

Main station list for 2019 JAN, including WAKE ISLAND, STEPHENS CREEK, WARRAMUNGA ARR, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HAGFORS, MAGADAN, OBN, etc.

KRSC 28 01:41:49.8, 2.0, 49.93N, 152.13E, h258km, 17km, M13.7, IDC 28 01:42:01.0, 1.7, 50.41N, 153.23E, h262km, 18km, mb3.1/1, mbmp3.8/15, Error ellipse: s-maj=19.8km

ISC 28 01:41:59.3, 0.7, 50.22N, 1.0, 153.16E, 0.09, h250km, n24, s-min=1.1, 4km az=153.0

Main station list for 28d 1h, including PAU, APC, GRL, MTRV, PETK, etc.

RSNC 28 01:49:50.1, 0.7, 5.4N, 8.3W, h0km, M2.9, mb3.7, mb4.3, ML2.9, Mw(mb)3.5, MwMwp5.0, MwP5.2, South of Panama

Main station list for RSNC, including ISLA BARRO COLO, BAHIA MALAGA, PUNTA ARDITA, etc.

IDC 28 01:54:59.5, 5.2, 16.32N, 98.62W, h0km, mb3.4/4, mbmp3.4/7, ML3.0/3, MS3.4/4, Error ellipse: s-maj=102.2km s-min=25.6km az=12.0

MEX 28 01:55:06.9, 0.9, 16.46N, 98.97W, h34km, 11km, MD4.2, ISC 28 01:54:56.3, 1.8, 16.01N, 0.06, 98.81W, 0.03, h6km, 10km, n45, c282/60, mb3.4/4, MS3.3/9, Near coast of Guerrero

Main station list for IDC 28 01:54:59.5, including PINOTEPA, CRIG, CNIG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like El Cayaco, Fresnillo de T, Huajuapán de L, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Matias Romero, Demacu, Morelia, etc.

DJA 28 02:02:00.7.0.4.10'S.3.10'8E.1.1, h22km, M4.2/13, mb4.6/2, MLV4.0/13, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Cimerak, Karang Pucung, Wanganaga, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Zalesovo Beam, GNI, ARTI, etc.

NEIC 28 02:12:20.4.2.1, 22.0S.0.1x171.0E.0.1, h82km, 5km, mb4.6/28, Error ellipse: s-maj=19.9km s-min=14.6km az=171.0

IDC 28 02:12:20.1.1.9, 22.06S.170.97E, h84km, 15km, mb4.1/13, mbmp4.4/15, MS3.6/11, Error ellipse: s-maj=17.8km s-min=14.6km az=13.0

NOU 28 02:12:22.5.2, 22.20S.170.84E, h31km, mb5.4/13, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like MARNC, OUCEN, ONTNC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like DZM, URZ, RTZ, etc.

ASAR Alice Springs 34.11 260 P P 02 18 57.3 +0.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like WBO, WBE, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like SNA, VNA3, VNA2, etc.

ILAR Eielson Array 92.47 17 P P 02 25 19.2 -1.3

PLCA Paso Flores 95.35 138 P P 02 25 35.5 +0.9

ANMO Albuquerque 20.07 341 P P 01 59 34.5 +2.1

NVAR Mina Array B 28.6 326 P P 02 00 52.3 +2.6

PDAR Pinedale Array 28.21 343 P P 02 00 51.2 +1.0

ELK Elko 28.47 333 LR 02 14 11.0

NEW Newport 35.52 339 LR 02 16 58.4

YKA Yellowknife Ar 47.75 350 P P 02 03 36.8 +2.9

H03N2 Juan Fernandez 52.70 159 T T 03 01 09.7

H03N1 Juan Fernandez 52.71 159 T T 03 01 14.7

H03N3 Juan Fernandez 52.72 159 T T 03 01 07.6

ILAR Eielson Array 58.47 338 P P 02 04 56.2 +3.3

BDFB Brasilia 59.19 120 LR 02 03 30.9

CLL Colim 146.16 335 I PKPbc PKPab 02 31 50.1 -0.5

CRUC Moravsky 146.35 329 ePKP PKIKP 02 31 51.4 -2.0

MOA Molin 148.21 330 I PKP PKIKP 02 31 55.9 -1.4

FUNV 28 02:25:59.1, 10.62N.63.28W, h4km, MW3.2, ISC 28 02:25:58.7, 1.3, 10.5N.0.4, 63.27W, 0.08, h10km, n8, s182/11, Near coast of Venezuela

Table with 5 columns: TRN, BENV, BENV, CACV, CACV, BAUV, BAUV, BAUV. Rows include Puerto La Cruz, Trinidad (W), Beln, CAICARA DEL OR, EI Baul, EI Baul.

IDC 28 02:38:20.9-2.4, 18.475x177.77W, h585km, 24km, mb2.8/4, mbtmp3.7/5, Error ellipse: s-maj=39.3km

Table with 5 columns: Code, Station Name, Az, Op, Phase ID, Time Res. Rows include MVSF Nonsavu, WRA Warrungarra Arr, ASAR Alice Springs, GSPA South Pole Qui, ILAR Gielson Array, BRTR Keskin Array B.

SJA 28 02:38:42.5-0.7, 31.67Sx72.58W, h8km, 3km, MLC3.9, MW3.7

NEIC 28 02:38:45.8-1.9, 31.709Sx0.008x72.3W:0.1, h10km, 2km, mb4.2/1, Error ellipse: s-maj=17.4km s-min=0.30km

IDC 28 02:38:46.8-1.0, 31.67Sx71.79W, h0km, mb3.7/4, mbtmp3.6/6, MLC3.8/2, MS3.7/1, Error ellipse: s-maj=37.5km

GUC 28 02:38:50.1-0.9, 31.76Sx71.92W, h30km, 4km, MLC3.9

ISC 28 02:38:46.7-1.3, 31.67Sx0.02-72.00W:0.05, h8km, 8km, n105, s1949/124, mb3.8/4, 3C-2D, Near coast of central Chile

Main table for station data on the left page, including stations like Los Peladeros, Catapilco, Torpederas, San Esteban, Curacav, Peldehue, La Serena, Rencas, Universidad Ad, Cerro Caljn, CCHEN, Farellones, Talagante, Popeta, Las Vizcachas, Olivares, Juntas del Tor, Pirque.

Main table for station data in the middle column, including stations like Bocatomoa, Bocatomoa Ro, Bocatomoa Ro, San Alfonso, Salagasta, Zonda, CERRO ARCO, Las Campanas, Cuesta del Vie, Agrelo, Sierra Bellavi, Sierra Bellavi, Sierra Bellavi, Panimavefa, Vinchina, Mina Casimiro, PUNTA DE LOS L, CERRO LA CRUZ, San Fabin de, Punta Hualpn, Maricunga, Pan de Azucar, Juan Fernandez, Juan Fernandez, IPOC Station P, Paso Flores, Torquist, Villa Florida, La Paz, Brasilia, Brasilia, Lajitas Array, Mina Array Bea, Torodi Arr, WAKE ISLAND, WAKE ISLAND, WAKE ISLAND, Borovey Array, Kurchatov Arr, Zalesovo Beam, Tehuacan.

Main table for station data on the right page, including stations like Sinabang, Aceh, Gunungsitoli, Gunungsitoli, Meulaboh, Aceh, Kotacane, Aceh, Banda Aceh, Rantau Prapat, Rantau Prapat, Mandailing Nat, Salsai, CAMPBELL BAY, Padang Panjang, Pulau Pagai, Saiba, Manna, Manna, Pallekele, Chiang Mai Arr, Chiang Mai Arr, Chiang Mai Arr, SAIH, SAIH, SAIH, Son La, Aizawl, Mangalore, Imphal, KOHIMA, SHILONG, SHILONG, Diego Garcia H, Diego Garcia H, Diego Garcia H, MOKOCHONG, ITANAGAR, ITANAGAR, Kappang, PanZhihua, Lehpapani, DIBRUGARH, TAWA TAWA, TAWA TAWA, Simiganj, Simiganj.

SOC	Sochi	53.34 311	eP	P	04 01 55.2 -1.1		
SOC			e	PPP	04 03 55.1		
SOC			ePPP	PPP	04 05 01.7		
SOC			eS	MLR	04 09 26.2 -1.9		
SOC			MLR				
comp=Z,2.25nm,1.6,0.8s							
WRA	Warramunga Arr	53.42 133	P	P	04 01 55.9 -1.3		
WRA	Warramunga Arr	53.42 133	ceP	P	04 01 57.7 +0.5		
WRA	Warramunga Arr	53.42 133	ceP	P	04 01 57.7 +0.5		
WB2	Warramunga Arr	53.43 133	P	P	04 01 55.5 -1.7		
ASAR	Alice Springs	55.69 137	P	P	04 02 12.5 -1.2		
comp=Z,0.7nm,0.8s,baz=316,slow=6.7,SNR=6.6							
TIXI	Tiksi	56.92 12	P	P	04 02 19.7 -2.0		
TIXI	Tiksi	56.92 12	ceP	P	04 02 20.0 -1.7		
comp=Z,8.9nm,1.4s							
TIXI	Tiksi	56.92 12	ceP	P	04 02 20.0 -1.7		
comp=Z,8.9nm,1.4s							
BR131	Keskin Array S	57.43 306	P	P	04 02 26.1 +0.1		
BR131	Keskin Array S	57.43 306	P	I	04 02 29.5		
BRTR	Keskin Array B	57.43 306	P	P	04 02 25.3 -0.7		
BRTR	Keskin Array B	57.43 306	P	P	04 02 25.6 -0.5		
comp=Z,0.8nm,0.8s,baz=96,slow=7.1,SNR=5.9							
BRTR	Keskin Array B	57.43 306	iP	P	04 02 26.2 +0.1		
BRTR	Keskin Array B	57.43 306	iP	P	04 02 26.2 +0.1		
comp=Z,1.0nm,0.8s							
OBN	Obninsk	57.88 324	iP	P	04 02 29.0 +0.4		
OBN	Obninsk	57.88 324	iP	P	04 03 02.1		
OBN	Obninsk	57.88 324	iP	P	04 04 39.4		
comp=Z,5.0nm,0.9s							
PETK	Petrovavskovsk	58.85 38	LR	LR	04 32 46.5		
comp=Z,3.5nm,19.4s,baz=234,slow=4.1							
ELL	Elmali	60.32 302	P	P	04 02 47.0 +0.8		
LODK	Lowdar	60.95 264	P	P	04 02 51.6 +0.9		
LODK	Lowdar	60.95 264	P	P	04 03 14.6		
comp=Z,4.6nm,1.3s							
AKASG	Malin Array Be	61.44 318	P	P	04 02 52.4 -0.9		
AKASG	Malin Array Be	61.44 318	P	P	04 02 52.4 -0.9		
comp=Z,0.5nm,0.4s,baz=83,slow=6.5,SNR=12							
AKBB	Malin Array Si	61.44 318	P	P	04 02 52.4 -0.9		
AKBB	Malin Array Si	61.44 318	P	P	04 03 34.5		
KIEV	Kiev	61.45 318	P	P	04 02 52.2 -1.1		
KIEV	Kiev	61.45 318	P	P	04 03 34.5		
comp=Z,6.4nm,1.4s							
VOI	Voitsoika	62.37 332	P	P	04 03 02.6 +2.5		
MLR	Muntele Rosu	63.31 212	P	P	04 03 06.0 -0.2		
MLR	Muntele Rosu	63.31 212	P	P	04 03 12.8		
comp=Z,4.6nm,1.2s							
BUR08	Bucovina Ar. S	63.87 315	P	P	04 03 09.0 -0.8		
FINES	FINES Array B	64.81 303	P	P	04 03 13.6 -0.6		
comp=Z,1.4nm,0.6s,baz=90,slow=5.6,SNR=15							
KWP	Kalwaria Pacia	65.56 317	P	P	04 03 20.4 -0.2		
BILL	Bilibino	66.03 23	P	P	04 03 22.7 -0.6		
comp=Z,1.3nm,3.9s							
ARCES	ARCCESS Array B	66.32 339	P	P	04 03 24.4 -0.8		
comp=Z,2.6nm,0.7s,baz=94,slow=7.4,SNR=9.5							
HFS	Hagfors	70.60 328	P	P	04 03 51.9 -0.1		
comp=Z,2.2nm,0.4s,baz=104,slow=5.0,SNR=21							
GERES	GERESS Array B	71.49 316	P	P	04 03 58.2 +0.4		
comp=Z,1.4nm,0.6s,baz=88,slow=7.4,SNR=5.4							
NB2	NORSAR Subarra	71.76 329	P	P	04 03 58.4 -0.8		
comp=Z,1.0nm,0.5s,baz=96,slow=6.2							
NOA	NORSAR Array B	71.76 329	P	P	04 03 58.6 -0.6		
comp=Z,0.9nm,0.5s,baz=86,slow=5.9,SNR=7.4							
B22K	Teshekpuk Lake	79.81 19	P	P	04 04 44.6 -0.3		
B22K	Teshekpuk Lake	79.81 19	P	P	04 04 45.7		
comp=Z,3.9nm,0.8s							
EKA	Eskdalemir Ar	80.32 325	P	P	04 04 48.0 +0.1		
comp=Z,2.6nm,0.7s,baz=77,slow=5.8,SNR=5.3							
ESK	Eskdalemir	80.35 325	P	P	04 04 47.5 -0.6		
D23K	Nanushuk River	81.28 20	P	P	04 04 52.6 -0.3		
ILAR	Eielson Array	84.69 23	P	P	04 05 09.8 -0.8		
comp=Z,0.5nm,0.8s,baz=284,slow=4.3,SNR=6.5							
A36M	Sachs Harbour	85.94 12	P	P	04 05 15.1 -1.6		
TXAR	Lajitas Array	129.20 22	PKP	PKP	04 11 46.1 0.0		
comp=Z,0.1nm,0.4s,baz=338,slow=1.9,SNR=3.8							

WB2	Warramunga Arr	22.85 166	P	P	04 11 21.9 0.0		
WRO	Warramunga Arr	22.92 165	P	P	04 11 22.9 +0.4		
YHNB	Yeheng	23.26 343	P	P	04 11 24.2 -1.4		
YHNB	Yeheng	23.26 343	P	P	04 11 26.9		
comp=Z,1.8nm,0.8s							
KYMB	Chin-men Tao	24.09 337	P	P	04 11 32.6 -0.4		
JOW	Kunigami	24.38 360	P	P	04 11 35.8 +0.1		
JOW	Kunigami	24.38 360	P	P	04 11 37.1		
comp=Z,1.9nm,0.8s							
QZH	Quanzhou	24.44 338	eP	P	04 11 40.0 +3.8		
MBWA	Mantao	24.85 200	P	P	04 11 39.5 +0.5		
PSA00	Pilbara Seismi	25.20 199	P	P	04 11 41.9 -1.2		
PSA00	Pilbara Seismi	25.20 199	P	P	04 11 46.3		
comp=Z,12nm,0.7s							
PSA00	Pilbara Seismi	25.20 199	P	P	04 11 44.1 +1.0		
QIS	Mount Isa	25.12 155	P	P	04 11 33.9 +0.6		
MNAI	Manna	26.35 255	P	P	04 11 49.4 -4.2		
comp=Z,125nm,0.5s							
AS31	Alice Springs	26.35 169	P	P	04 11 53.8 +0.3		
ASAR	Alice Springs	26.36 169	P	P	04 11 53.5 0.0		
ASAR	Alice Springs	26.36 169	P	P	04 11 54.0 +0.5		
comp=Z,0.9nm,0.6s,baz=356,slow=8.1,SNR=138							
ASAR	Alice Springs	26.36 169	P	P	04 15 13.2 +0.7		
comp=Z,1.0nm,0.4s,baz=350,slow=2.1,SNR=4.5							
ASAR	Alice Springs	26.36 169	P	P	04 16 08.1 +0.2		
comp=Z,2.1nm,0.8s,baz=352,slow=2.1,SNR=6.6							
ASAR	Alice Springs	26.36 169	P	P	04 18 30.3 +1.8		
comp=Z,1.9nm,0.7s,baz=344,slow=2.4,SNR=16							
WRKA	Warakana	27.19 180	P	P	04 12 01.6 +0.7		
PSI	Prapat	29.52 272	P	P	04 12 23.4 +1.5		
comp=Z,5.1nm,0.6s,baz=114,slow=3.5,SNR=5.0							
RPSI	Raplat	29.53 271	P	P	04 12 23.4 +1.7		
MEEK	Meekatharra	30.32 198	P	P	04 12 29.1 +0.6		
OOD	Oodnadatta	30.73 167	P	P	04 12 32.7 +0.7		
JNU	Nakatsue	30.73 4	I	I	04 12 30.1 -2.0		
JNU	Nakatsue	30.73 4	I	I	04 12 33.4		
comp=Z,2.0nm,0.9s							
NJ2	Nanjing	30.94 344	eP	P	04 12 35.5 +1.6		
NJ2	Nanjing	30.94 344	eP	P	04 12 35.5 +1.6		
comp=Z,9.0nm,0.5s							
FORT	Forrest	32.91 181	P	P	04 12 50.6 -0.4		
FORT	Forrest	32.91 181	P	P	04 12 50.5 +0.5		
CM31	Chiung Mai Arr	33.09 301	I	I	04 12 33.9 +1.1		
CM31	Chiung Mai Arr	33.09 301	I	I	04 12 56.1		
comp=Z,1.3nm,0.9s							
CMAR	Chiung Mai Arr	33.09 301	P	P	04 12 53.9 +1.1		
CMAR	Chiung Mai Arr	33.09 301	P	P	04 12 54.9 +2.1		
BLDU	Bailidu	34.61 198	P	P	04 12 06.5 +0.8		
comp=Z,6.5nm,0.7s,baz=117,slow=7.1,SNR=38							
ENH	Enshi	33.13 329	I	I	04 12 54.9		
CHTO	Chiang Mai	35.25 302	P	P	04 12 54.6 +0.4		
CHTO	Chiang Mai	35.25 302	P	P	04 12 57.1		
comp=Z,1.2nm,0.8s							
MORW	Morawa	33.40 200	P	P	04 12 56.7 +1.3		
LCRK	Leigh Creek	33.87 165	P	P	04 13 02.2 +0.9		
BLDU	Bailidu	34.61 198	P	P	04 13 06.5 +0.8		
KSAR	Wonju Array Be	34.97 359	P	P	04 13 09.1 +0.5		
KSRS	Korea Array	34.98 359	P	P	04 13 08.8 +0.2		
comp=Z,5.6nm,0.5s,baz=176,slow=9.8,SNR=20							
KS19	Wonju Array Si	35.02 359	P	P	04 13 08.0 -1.1		
KS19	Wonju Array Si	35.02 359	P	P	04 13 09.6		
comp=Z,1.0nm,0.9s							
PZH	Panzhihua	35.17 316	P	P	04 13 12.0 +1.3		
PZH	Panzhihua	35.17 316	P	P	04 13 12.0 +1.3		
comp=Z,10.0nm,0.6s							
PZH	Panzhihua	35.17 316	P	P	04 13 12.0 +1.3		
comp=Z,100nm,5.5s							
MAJO	Matsushiro	35.23 14	P	P	04 13 10.8 -0.1		
MAJO	Matsushiro	35.23 14	P	P	04 13 11.3		
comp=Z,1.9nm,0.8s							
MJAR	Matsushiro Arr	35.23 14	P	P	04 13 09.3 -1.6		
comp=Z,7.7nm,0.7s,baz=187,slow=9.2,SNR=14							
MJB9	Matsu-Tunnel	35.23 14	P	P	04 13 11.9 +0.1		
MJB9	Matsu-Tunnel	35.23 14	P	P	04 13 12.2		
comp=Z,1.9nm,0.8s							
TIA	Taian	35.33 344	P	P	04 13 11.8 0.0		
TIA	Taian	35.33 344	P	P	04 13 11.8 0.0		
comp=Z,9.0nm,0.7s							
LYN	LuoYang	35.38 337	eP	P	04 13 13.0 +0.8		
LYN	LuoYang	35.38 337	eP	P	04 13 13.0 +0.8		
comp=Z,2.2nm,0.7s							
BBOO	Bucklebo	35.66 169	P	P	04 13 15.6 +1.0		
BBOO	Bucklebo	35.66 169	P	P	04 13 15.3 +0.7		
STKA	Stephens Creek	36.21 161	P	P	04 13 19.6 +0.3		
STKA	Stephens Creek	36.21 161	P	P	04 13 19.9 +0.6		
comp=Z,1.3nm,0.8s,baz=335,slow=8.8,SNR=24							
STKA	Stephens Creek	36.21 161	P	P	04 13 19.8 +0.6		
XAN	Xi'an	36.47 332	P	P	04 13 20.8 -0.7		
XAN	Xi'an	36.47 332	P	P	04 14 06.8 -5.1		
XAN	Xi'an	36.47 332	P	P	04 14 06.8 -5.1		
comp=Z,1.9nm,0.8s							
NWAO	Narrogin (SRO)	36.63 196	P	P	04 13 20.3 +0.3		
NWAO	Narrogin (SRO)	36.63 196	P	P	04 13 24.1		
comp=Z,7.6nm,0.8s							
CD2	Chengdu	36.82 323	P	P	04 13 25.3 +0.8		
CD2	Chengdu	36.82 323	P	P	04 13 25.3 +0.8		
comp=Z,2.0nm,0.8s							
HTT	Hallett	36.89 165	P	P	04 13 26.2 +1.2		
JMM	Marumori	37.15 16	P	P	04 13 25.6 -0.6		
JMM	Marumori	37.15 16	P	P	04 13 35.9		
comp=Z,1.2nm,0.9s							
HNS	HongShan	37.15 342	P	P	04 13 27.3 +0.3		
HNS	HongShan	37.15 342	P	P	04 13 27.3 +0.3		
comp=Z,1.9nm,0.9s							
BJT	Baijiatuo	39.16 345	I	I	04 13 44.9		
BJT	Baijiatuo	39.16 345	I	I	04 13 44.9		</

28d 5h

MEX 28 04:12:01.70.6.14.84N-92.38W, h107km, 4km, MD4.3
CGC 28 04:12:01.2.1.6.14.94N-92.32W, h100km, 9km, MD4.3,
ML3.6, MW3.5, Hypocentre not reviewed by the ISC
ISC 28 04:12:01.4.0.9.14.89N-0.06.92.40W-0.04, h104km, 6km,
n31, e270/56, mb3.6/3, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations and their associated data points.

2019 JAN

Main table listing seismic events with columns: ASAR, CMAR, STKA, ARMA, CAN, SONM, MK31, MKAR, MAKZ, KBL, ZAAO, ZALV, KURB, KURK, KK31, BKAR, BVAR, BRVK, ABKAR, GSPA, NEIC, etc. Includes event details like magnitude, depth, and location.

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Table listing seismic events with columns: TORD, STKA, ASAR, WRA, NVAR, FINES, HATC, PLID, BVAR, YKA, MKAR, M31M, HYT, M30M, F31M, INK, M29M, G30M, E29M, L27K, J26L, F26K, ILAR, GHO, WRH, SONM, BPAW, JOW, H11N1, H11N2, H11N3, DAV, YON, YHNH, KSRS, KSAR, WBO, WBO, WRA, CMAR, SONM, SONM, SHL, SHL, UNV, ANM, ANM, ZALV, MK31, MKAR, MKAR, K17K, K17K, MAKZ, C18K, J20K, KURB, CAST, CAST, BPAW, BOOM, BOOM, I23K, I23K, EYAK, ILAR, RIDG, RIDG, BVAR, KKAR, BRVK, BRVK, GAR, ABKAR, YKA, ARCES, NVAR, FINES, BO02, VA03, BOAV, etc. Includes event details like magnitude, depth, and location.

OFF OCASAWARA
JMA 28 05:09:25.30.2.8.08N-139.94E, h395km, 7km, mb3.3/18,
mbtm4.0/20, Error ellipse: s-maj=100km s-min=17.2km
az=64.0

ISC 28 05:09:26.1-0.6, 27.98N, 0.07-139.7E: 0.1, h400km, n29, s=1773.74, mb3.5/18, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Chichi jima, Chichijima, Haha-jima-NK2, Boso, Boso 4, etc.

M=0.8±: 1.2; Mw2 10±: 14; Mw=1.2±: 11; Mw0.35±: 27; Mw4.7±: 10; Mw0.26±: 24; Best double couple; Ms5.08700x1016 NP1: 100.00000; 887.00000; 1.3.00000. NP2: 10.00000; 887.00000; 1.177.00000. Principal axes: T 5.5070, Plg4.0000, Azm325.0000; N -0.8460, Plg86.0000, Azm146.0000; P -4.6670, Plg0.0000, Azm55.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FUGATOGA, MSFV, NIUE, RAR, DZM, etc.

ISC 28 05:29:53.0-4.2, 14.745S, 175.92W, h71km±37km, mb3.8/11, mbmp4.1/13, ML4.72, MS4.248 Error ellipse: s-maj=33.3km s-min=18.8km az=138.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FUGATOGA, MSFV, NIUE, RAR, DZM, etc.

comp=2.9,0nm,1.4s Little Huntoon 75.08 43 P Iamb P 05 41 28.5 +0.1

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like LHV, QSPA, GSPA, NVAR, etc.

AEIC 28 05:15:54.2-0.6, 53.77N, 0.08-164.29W: 0.07, h47km±9km, Error ellipse: s-maj=12.9km s-min=3.0km az=153.0

NEIC 28 05:15:54.0-0.8, 53.74N, 0.02-164.29W: 0.05, h35km±2km, ML2.7±(EIC), Error ellipse: s-maj=5.3km s-min=3.1km az=226.0, Unimak Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WESE, WECS, WEBT, AKSA, etc.

comp=2.11nm, 19.2s, baz=54, slow=33

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JAY, BBOO, WBO, etc.

ASRS 28 05:25:27.0-0.7, 54.61N, 86.60E, h0km, M2.4, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

ISC 28 05:25:31.0-2.8, 54.60N, 86.46E, h0km, mbmp3.2/2, ML2.9/2, Error ellipse: s-maj=22.8km s-min=15.0km az=44.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, etc.

comp=2.86nm, 21.2s, baz=164, slow=32

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ELS, VTX, ESJX, etc.

NEIC 28 05:29:47.1-3.1, 14.6S, 0.1-175.47W: 0.08, h10km, 1km, mb4.8/125, Error ellipse: s-maj=20.0km s-min=12.4km az=8.0

GCMT 28 05:29:49.0-0.2, 14.62S, 0.01-175.57W: 0.01, h18km, 1km, MW5.1/122, Moment Tensor Solution. s54, c74; s122, c173; Duration: 0 Moment tensor: Scale 1016Nm;

comp=2.14nm, 1.2s Deep Springs 74.96 44 P Iamb P 05 41 27.9 +0.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DSP, DSP, etc.

comp=2.11nm, 1.3s TPW 82.54 39 Iamb Iamb P 05 42 08.2 -1.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TPW, TPW, etc.

Table listing seismic events with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time Res, and Res. Includes events like R32K Eaglecrest, N32M Quiet Lake, P32M Atlin, S32K Killisnoo, P33M Teslin, Yukon, AKASO Malin Array Be, AKBB Malin Array Si, NOR Nord, PPT2 Papeete2, PPT2 Papeete2, Q32M Nakina River, C36M Paulukt, C36M Paulukt, U33K Whale Pass, R33M Jennings River, S34E Telegraph Cree, TBI Tubuai, DLBC Dease Lake, V35K Katchikan, WTLY Watson Lake, WTLY Watson Lake, RNP9 Sopachiv, RNP5 Staryi Chort, T35M Bob Quinn, KMBO Kilima Mbogo, KMBO Kilima Mbogo, VNDA Vanda, VNDA, WRGLY Wrigley, WRGLY Wrigley, BURAR Bucovina Array, BUR08 Bucovina Ar, S TOAD Toad River Com, KOTAN Kotaneelee Air, DAG Danmarns Havn, BBB Bella Bella, RES Resolute Bay, RES Resolute Bay, HFS Hagfors, NEEM North Greenlan, NEEM, NB2 NORSTAR Subarra, NB2 NORSTAR Subarra, NOA NORSTAR Array B, NOA, DBG Daneborg, YKA Yellowknife Ar, B08A Colville Reser, B08A, YBH Yreka Blue Hor, QSPA South Pole Qui, NVAR Mina Array Bea, TXAR Lajitas Array, TXAR Lajitas Array, TORD Torodi Ar, PRVC Isla de Pascua, LL04 Currie, LR05 Puerto Elvado, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, CELP Cerrillos, RUSC La Rusia, GO02 Mina Guanaco, GO02 Punta Patache, PATCX PATCX, TA01 Diego Aracena, TA01, TBGT Tabatinga, AM, TBGT

Table listing seismic events with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time Res, and Res. Includes events like ASAR Alice Springs, JCJ Chitima, JOW Kunigami, JNU Nakabanda, USRK Ussuriysk Ar, QSPA South Pole Qui, NVAR Mina Array Bea, ILAR Eielson Array, TXAR Lajitas Array, PDAR Pinedale Array, GERES GERES Array B

IDC 28 06:12:55.4-0.9, 161.45S; 177.91E, h0km, mb3.9/8, mbmp3.9/8, MS3.6/5, Error ellipse: s-maj=27.3km s-min=19.0km az=113.0

ISC 28 06:12:58.8-0.6, 16.45S; 010.177E, 0.2, h21km, n14, 0.054/10, mb3.9/8, MS3.5/5, Fiji Islands

Table listing seismic events with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time Res, and Res. Includes events like MSFV Nonsavu, MSFV, PPT Papeete, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, GUMO Guam, FITZ Fitzroy Crossi, QSPA South Pole Qui, NVAR Mina Array Bea, ILAR Eielson Array, TXAR Lajitas Array, PDAR Pinedale Array, TIXI Tiksi, PLCA Paso Flores

ASRS 28 06:20:28.0-1.1, 55.64N; 86.17E, h0km, M2.9, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021
IDC 28 06:20:34.9-3.4, 55.444N-86.09E, h0km, mbmp2.7/2, ML2.5/2, Error ellipse: s-maj=24.7km s-min=19.8km az=29.0, Southwestern Siberia

Table listing seismic events with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time Res, and Res. Includes events like I46RU ZALEVO INFRA, ZALV Zalevo Beam, ZALV, KURBB Kurbb, KURBB, MKAR Makanchi Array, MKAR

IDC 28 06:23:25.9-0.6, 9.63N; 126.34E, h0km, mb3.9/15, mbmp3.9/15, Error ellipse: s-maj=50.2km s-min=15.1km az=69.0

ISC 28 06:23:32.0-0.6, 9.6N; 02.126E, 0.3, h43km, n24, 0.061/20, mb3.9/16, Mindanao

Table listing seismic events with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time Res, and Res. Includes events like WRA Warramunga Arr, ASAR Alice Springs, NVAR Mina Array Bea, H1S1 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, SONM Songoing Array, STKA Stephens Creek, MKAR Makanchi Array, ZALV Zalevo Beam, KURBB Kurbb, BVAR Borovoye Array, ILAR Eielson Array, SPITS Spitsbergen Ar, ARCES ARCES Array B, FINES FINES Array B

Table listing seismic events with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time Res, and Res. Includes events like AKASG Malin Array Be, HFS Hagfors, NOA NORSTAR Array B, YKA Yellowknife Ar, TXAR Lajitas Array, PLCA Paso Flores

IDC 28 06:23:44.9-2.1, 20.50S; 177.72W, h485km, 21km, mb3.2/5, mbmp4.0/6, Error ellipse: s-maj=30.3km s-min=23.1km az=87.0

ISC 28 06:23:46.3-1.1, 20.55S; 02-177.9W, 0.2, h500km, n9, 0.095/10, mb3.6/5, Fiji Islands region

Table listing seismic events with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time Res, and Res. Includes events like MSFV Nonsavu, MSFV, ASAR Alice Springs, ASAR, WRA Warramunga Arr, VNDA Vanda, QSPA South Pole Qui, ILAR Eielson Array, BVAR Borovoye Array, AKASG Malin Array Be, TORD Torodi Ar, Bea

UCR 28 06:25:03.8-1.0, 8.6N; 140.89W, h190km, 5km, MW3.6, CATAC 28 06:25:07.2-1.0, 11.1N; 5.8W, h164km, 13km, MS3/16, ML3.5/16, Error ellipse: s-maj=16.1km s-min=7.1km az=53.1, confirmed
UPA 28 06:25:28.6-1.4, 9.54N; 82.26W, h166km, 70km, MD4.1, MW3.8

ISC 28 06:25:06.9-1.6, 10.73N; 0.06-82W, 0.06, h175km, 10km, n88, 0.095/93, 14C-15D, Costa Rica

Table listing seismic events with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time Res, and Res. Includes events like VERA Finca Concepci, VERA, TENO El Achiote, CEDE Laguna Cedeo, ABET El Achiote, VACR Volcan Arenal, TUNA La Fortuna, LCHL Los Chiles, CUI Cuiplapa, COLC Coliupa, SOCE Sococo, MTEVE Monteverde, JTS Las Ventas de Juntas, JUNT Juntas, GPS2 Hotel Rincon d, WRLE La Escondida, ITAL Pital Verde, PLVR Palo Verde, ZARE Zarco, SRA1 San Ramon, RAMO San Ramon, ABET El Achiote, ARZA Esparza, SARA Sarapiqui, NICO Nicoya, LCRUZ La Cruz, SACU Santa Cruz, AMAR Amara, BELE Belen, SANTA Santa Ana, LUPE Guadalupe, LUJA Lujan, SJS Escuela Geolog, S33 Mercedes San J, INDI Punta indio, INDI Punta indio, G, CVIMO Finca Eochondi, AMPA Amapa, BITO Garabito Jaco, ACOS Acosta, TRIO Tres Rios, JAPAN AI SSO del Vol, CBLI Cabuya, AMAR Amara, ABEZ San Pablo, LCR2 La Lucha 2, ACON Acacoya, PCAYA Pacayias, REPA Paraso, MCMR Marmara, VTCV VTCV, Calle Va, RAZU San Marcos de, ANAR Juan Vinas, VERB Verbena, BERN Bern, MADN Granada, ZELE Perez Zeledon, SABN Sabanita, BOAB BOACO BROADBAN, BOAB BOACO BROADBAN, UNAN Cigeo UNAN, UNAN, MGAN Managua, OCHAL Ojochal, TISN Laguna Tiscapa, APQ2 Apoeyque, APQ2, BURE Buenos Aires, DRKO Durika, EDP2 Potrero Grande, MOMZ El Cardon, MCMR, LEVN Ruinas Leon Vi, CNGA AI SSO del Vol, CNGA, ILCN San Idelfonso, ILCN, PACN AI O del Volca, PACN, CN12 El Empalme, Bo, PIRO Carate, Puerto, MLIR3 Monte Lirio, C BRUZ Volcan, P8K1N Cerro Pekin, CDITO Canoas, LNBO3 Los Naranjos, PTAR3 Petrolillos Ar, RPNF R. de San Ju, RCVN Varillita, PTPM Petroterminal, CHGR2 Aguacate, PSOM3 Paja de Sombre, DVD David, GMAL Guarumal, Vera

NEIC 28 06:46:18.2,0.7,32.57S;0.04:71.85W,0.07,h35km,2km, mb3.4/1, Error ellipse: s-maj=10.5km s-min=7.3km az=83.0

SJA 28 06:46:18.2,0.7,32.62S;71.66W,h64km,6km,ML3.8, MW3.8

GUC 28 06:46:20.4,0.8,32.66S;71.58W,h53km,3km,ML4.1

IDC 28 06:46:20.1,4.0,32.58S;71.56W,h59km,4.3km,mb2.9/1, mbmp3.6/4,ML4.0/3, Error ellipse: s-maj=66.2km s-min=24.7km az=95.0

ISC 28 06:46:19.1,0.6,32.59S;0.03:71.70W,0.04,h62km,7km, n1102,r160/134,8C,Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include VA06 Catapilco, VA06 Catapilco, VA06 Torpederas, VA01 Torpederas, VA01 Torpederas.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include ROCH El Roble, ROCH El Roble, ROCH El Roble, ROCH El Roble, ROCH El Roble.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT02 Curacav, MT02 Curacav, MT02 Curacav, MT02 Curacav, MT02 Curacav.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include VA03 San Esteban, VA03 San Esteban, VA03 San Esteban, VA03 San Esteban.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include VA03 San Esteban, VA03 San Esteban, VA03 San Esteban, VA03 San Esteban.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include PEL Peldehue, PEL Peldehue, PEL Peldehue, PEL Peldehue.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include PEL Peldehue, PEL Peldehue, PEL Peldehue, PEL Peldehue.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include VA05 Santo Domingo, VA05 Santo Domingo, VA05 Santo Domingo, VA05 Santo Domingo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT05 Renca, MT05 Renca, MT05 Renca, MT05 Renca.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT05 Renca, MT05 Renca, MT05 Renca, MT05 Renca.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT10 Hacienda Santa, MT10 Hacienda Santa, MT10 Hacienda Santa, MT10 Hacienda Santa.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT14 Cerro Caljn, MT14 Cerro Caljn, MT14 Cerro Caljn, MT14 Cerro Caljn.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT16 CCHEN, MT16 CCHEN, MT16 CCHEN, MT16 CCHEN.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT09 Talagante, MT09 Talagante, MT09 Talagante, MT09 Talagante.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include FCH Farellones, FCH Farellones, FCH Farellones, FCH Farellones.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT15 Las Vizcachas, MT15 Las Vizcachas, MT15 Las Vizcachas, MT15 Las Vizcachas.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT08 Bocatomia Ro, MT08 Bocatomia Ro, MT08 Bocatomia Ro, MT08 Bocatomia Ro.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MT13 San Alfonso, MT13 San Alfonso, MT13 San Alfonso, MT13 San Alfonso.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BO04 La Punta, BO04 La Punta, BO04 La Punta, BO04 La Punta.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BO01 Tunca, BO01 Tunca, BO01 Tunca, BO01 Tunca.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BO03 Pichilemu, BO03 Pichilemu, BO03 Pichilemu, BO03 Pichilemu.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CO03 El Pedregal, CO03 El Pedregal, CO03 El Pedregal, CO03 El Pedregal.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include RTLS Leoncito, RTLS Leoncito, RTLS Leoncito, RTLS Leoncito.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BO02 Sierra Bellavi, BO02 Sierra Bellavi, BO02 Sierra Bellavi, BO02 Sierra Bellavi.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include ARCO CERRO ARCO, ARCO CERRO ARCO, ARCO CERRO ARCO, ARCO CERRO ARCO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include ASAL Salagasta, ASAL Salagasta, ASAL Salagasta, ASAL Salagasta.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CO05 La Serena, CO05 La Serena, CO05 La Serena, CO05 La Serena.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include ACCO Cerro Coronel, ACCO Cerro Coronel, ACCO Cerro Coronel, ACCO Cerro Coronel.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include LCO Las Campanas, LCO Las Campanas, LCO Las Campanas, LCO Las Campanas.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BI02 San Fabin de, BI02 San Fabin de, BI02 San Fabin de, BI02 San Fabin de.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include AC06 Mina Casimiro, AC06 Mina Casimiro, AC06 Mina Casimiro, AC06 Mina Casimiro.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H03N1 Juan Fernandez, H03N1 Juan Fernandez, H03N1 Juan Fernandez, H03N1 Juan Fernandez.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H03N3 Juan Fernandez, H03N3 Juan Fernandez, H03N3 Juan Fernandez, H03N3 Juan Fernandez.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H03S1 Juan Fernandez, H03S1 Juan Fernandez, H03S1 Juan Fernandez, H03S1 Juan Fernandez.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H03S3 Juan Fernandez, H03S3 Juan Fernandez, H03S3 Juan Fernandez, H03S3 Juan Fernandez.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include LR03 Panguipulli, LR03 Panguipulli, LR03 Panguipulli, LR03 Panguipulli.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include LR04 Corral, LR04 Corral, LR04 Corral, LR04 Corral.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include G002 Mina Guanaco, G002 Mina Guanaco, G002 Mina Guanaco, G002 Mina Guanaco.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include PLB4 IPOC Station P, PLB4 IPOC Station P, PLB4 IPOC Station P, PLB4 IPOC Station P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include LL04 Puerto Octay, LL04 Puerto Octay, LL04 Puerto Octay, LL04 Puerto Octay.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include TRQA Torqust, TRQA Torqust, TRQA Torqust, TRQA Torqust.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include LL01 San Ignacio de, LL01 San Ignacio de, LL01 San Ignacio de, LL01 San Ignacio de.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include SIV San Ignacio, SIV San Ignacio, SIV San Ignacio, SIV San Ignacio.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H1S2 WAKE ISLAND Hy26.06 270, H1S2 WAKE ISLAND Hy26.06 270, H1S2 WAKE ISLAND Hy26.06 270, H1S2 WAKE ISLAND Hy26.06 270.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H1S1 WAKE ISLAND Hy26.08 270, H1S1 WAKE ISLAND Hy26.08 270, H1S1 WAKE ISLAND Hy26.08 270, H1S1 WAKE ISLAND Hy26.08 270.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H1S3 WAKE ISLAND Hy26.08 270, H1S3 WAKE ISLAND Hy26.08 270, H1S3 WAKE ISLAND Hy26.08 270, H1S3 WAKE ISLAND Hy26.08 270.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H1N3 WAKE ISLAND Hy26.44 271, H1N3 WAKE ISLAND Hy26.44 271, H1N3 WAKE ISLAND Hy26.44 271, H1N3 WAKE ISLAND Hy26.44 271.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H1N1 WAKE ISLAND Hy26.45 271, H1N1 WAKE ISLAND Hy26.45 271, H1N1 WAKE ISLAND Hy26.45 271, H1N1 WAKE ISLAND Hy26.45 271.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include H1N2 WAKE ISLAND Hy26.46 271, H1N2 WAKE ISLAND Hy26.46 271, H1N2 WAKE ISLAND Hy26.46 271, H1N2 WAKE ISLAND Hy26.46 271.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include IDC 28 06:56:49.0,0.7,9.65N;126.15E,h0km,mb4.0/14, mbmp3.9/14,MS2.8/3, Error ellipse: s-maj=55.2km s-min=16.5km az=70.0

PLCA Paso Flores 145.65 157 PKPbc PKPab 07 16 30.6 +0.9

ROM 28 06:58:45.4,0.2,46.49N;0.02:9.94E,0.02,h10km,1km, ML1.0/10, Error ellipse: s-maj=2.1km s-min=1.1km

ZUR 28 06:58:45.6,46.47N-9.98E,h6km,1km,MLH0.8/7,4D, Error ellipse: s-maj=2185.2km s-min=1062.4km az=28.0, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include SCCEL Celerina, SCCEL Celerina, SCCEL Celerina, SCCEL Celerina.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BERNI Berninapass, BERNI Berninapass, BERNI Berninapass, BERNI Berninapass.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BERNI Berninapass, BERNI Berninapass, BERNI Berninapass, BERNI Berninapass.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BERNI Berninapass, BERNI Berninapass, BERNI Berninapass, BERNI Berninapass.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include VDL Val di Lei, VDL Val di Lei, VDL Val di Lei, VDL Val di Lei.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include DAVOX Davos/Dischmat, DAVOX Davos/Dischmat, DAVOX Davos/Dischmat, DAVOX Davos/Dischmat.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BRMO Bormio, BRMO Bormio, BRMO Bormio, BRMO Bormio.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BRMO Bormio, BRMO Bormio, BRMO Bormio, BRMO Bormio.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include TUE Stuetta, TUE Stuetta, TUE Stuetta, TUE Stuetta.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include TUE TUE, TUE TUE, TUE TUE, TUE TUE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CARE Lago del Cares, CARE Lago del Cares, CARE Lago del Cares, CARE Lago del Cares.

ZUR 28 06:58:52.0,46.47N-9.98E,h8km,1km,MLH1.2/1,2D, Error ellipse: s-maj=4137.5km s-min=1316.0km az=89.0, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include SCCEL Celerina, SCCEL Celerina, SCCEL Celerina, SCCEL Celerina.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BERNI Berninapass, BERNI Berninapass, BERNI Berninapass, BERNI Berninapass.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn, FUORN Ofenpass-Fuorn.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include BRMO Bormio, BRMO Bormio, BRMO Bormio, BRMO Bormio.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include IDC 28 07:00:37.3,2.6,14.54N-93.93W,h0km,mb3.3/2, mbmp3.2/5,ML3.3/3,MS2.8/2, Error ellipse: s-maj=58.8km s-min=28.8km az=42.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CGC 28 07:00:39.1,2.0,14.33N-93.81W,h36km,9.3km,MD4.5, Hypocentre not reviewed by the ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include MEX 28 07:00:41.6,0.8,14.49N-93.71W,h9km,25km,MD4.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include PCIG Comitan, PCIG Comitan, PCIG Comitan, PCIG Comitan.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CCIG Comitán, CCIG Comitán, CCIG Comitán, CCIG Comitán.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Rows include CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero, CMIG Matias Romero.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MASAI Masoshi, AAI Ambon, BNDI Bandanaira, etc.

Table with columns: TOO, Toolangi, ENH, Enshi, KSAR, Wonju Array Be, etc. Includes stations like TOO Toolangi, ENH Enshi, KSAR Wonju Array Be, etc.

Table with columns: TOLK, Toolik Lake Re, CCB, Clear Creek Bu, H24K, Noodor Domo, F24K, Squaw Lake, etc. Includes stations like TOLK Toolik Lake Re, CCB Clear Creek Bu, H24K Noodor Domo, etc.

28d 9h

2019 JAN

Table with columns: Station, Frequency, Power, Class, and Date/Time. Includes stations like ITAB, CNLB, MG01, LPZA, AMBA, etc.

Table with columns: Station, Frequency, Power, Class, and Date/Time. Includes stations like VNDA, TBI, TBI, TBI, TAOE, etc.

Table with columns: Station, Frequency, Power, Class, and Date/Time. Includes stations like CCM, 121A, P51A, etc.

2019 JAN IAML 11 46 07.6 ARKR Arakani 1.41 107 ePg Pg 11 50 37.7 +1.0

1657

PLCA	Paso Flores	91.09 134 P	P	11 07 27.1 +0.5
comp=Z,1.6nm,0.6s,baz=243,slow=3.7,SNR=11				
F31M	Tsigheitchic	91.31 16 P	IAMB	11 07 25.4 -1.3
comp=Z,1.6nm,0.6s				
YKA	Yellowknife Arr	94.42 25 P	P	11 07 38.8 -2.2
comp=Z,0.3nm,0.6s,baz=239,slow=5.1,SNR=3.8				
MKAR	Makanchi Array	109.38 314 PKPbC PKPbC	P	11 23 54.2 -2.3
comp=Z,0.4nm,0.8s,baz=232,slow=1.6,SNR=3.6				
ARCES	ARCCESS Array B	126.52 350 PKP PKPdf	P	11 13 19.4 -1.3
comp=Z,10.0nm,1.2s,baz=25,slow=1.8,SNR=5.6				
FINES	FINES Array B	133.40 344 PKP PKPdf	P	11 13 32.4 -1.5
comp=Z,1.9nm,1.0s,baz=107,slow=3.3,SNR=1.2				
FINES	SKP		P	11 16 15.1
BRTR	Keskin Array B	145.03 315 PKPbC PKPbC	P	11 13 54.0 -1.9
comp=Z,0.3nm,0.8s,baz=168,slow=1.8,SNR=7.4				
GERES	GERESS Array B	147.82 345 PKPbC PKPbC	P	11 14 02.6 +2.4
comp=Z,2.0nm,0.5s,baz=25,slow=3.5,SNR=5.4				
WATA	Walderram	149.74 347 I PKP PKPdf	P	11 14 03.7 +0.3
comp=Z,2.5nm,0.4s				
WTTA	Wattenberg	149.79 347 I PKP PKPdf	P	11 14 07.8 +4.2
comp=Z,2.2nm,0.4s				
MOTA	Moosalm	149.83 347 ePKP PKPdf	P	11 14 07.9 +4.3
comp=Z,0.3nm,0.2s				
ABTA	Abfaltersbach	150.07 345 I PKP PKPdf	P	11 14 08.0 +4.1
comp=Z,4.1nm,0.7s				
FETA	Feichten	150.29 348 I PKP PKIKP	P	11 14 15.8 +5.4
comp=Z,1.8nm,0.7s				
TORD	Torodi Arr	175.01 179 PKP PKPdf	P	11 14 26.3 -2.2
comp=Z,0.2nm,0.6s,baz=205,slow=6.4,SNR=1.0				

IDC 28 11:06:56.9;2.5;5.52S;147.19E,h235km,25km,mb3.3/2, mbtmp4.0/4, Error ellipse: s-maj=63.3km s-min=18.4km az=118.0, Eastern New Guinea region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
PMG	Port Moresby	3.86 181 P	Op	11 07 58.8 +0.4	P		
16nm,0.6s,baz=335,slow=2.5,SNR=8.4							
PMG			S	11 08 47.2 +0.2	S		
15nm,0.8s,baz=341,slow=9.5,SNR=6.1							
WRA	Warramunga Arr	19.02 220 P	P	11 11 01.1 -0.5	P		
7.8nm,0.8s,baz=40,slow=12,SNR=28							
ASAR	Alice Springs	22.12 214 P	P	11 11 34.5 +1.1	P		
3.1nm,0.6s,baz=46,slow=7.7,SNR=56							
ASAR			S	11 15 20.2 +0.3	S		
1.0nm,0.9s,baz=36,slow=17,SNR=4.8							
ILAR	Eielson Array	84.97 23 P	P	11 19 04.9 -0.5	P		
0.9nm,0.8s,baz=255,slow=5.3,SNR=7.4							
0.6nm,0.8s							

IDC 28 11:08:36.6;1.4;6.11S;130.31E,h0km,mb4.1/3, mbtmd4.1/6,ML4.1/3, Error ellipse: s-maj=78.1km s-min=21.4km az=72.0

NEIC 28 11:08:53.7;2.4;6.64S;0.07;130.2E;0.1,h220km,17km, mb4.1/2, Error ellipse: s-maj=21.1km s-min=10.4km az=92.0

ISC 28 11:08:54.5;0.8;6.72S;0.06;130.3E;0.1,h200km,n18, c=338/22,mb3.9/3, Banda Sea

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
SAUI	Saumlaki	1.61 141 P	Op	11 09 31.6 +2.3	P		
FAKI	Fak Fak	4.26 28 P	P	11 09 59.0 -0.7	P		
FAKI			P	11 10 44.6 -6.2	P		
MTN	Manton Dam	6.14 172 Pn	Pn	11 10 25.6 +1.9	Pn		
SOEI	Soe	6.66 243 Pn	Pn	11 10 30.0 -0.5	Pn		
KNRA	Kunururra	9.02 189 Pn	Pn	11 11 00.7 -0.4	Pn		
KNRA			Pn	11 12 36.3 -6.0	Pn		
FITZ	Fitzroy Crossi	12.17 201 Pn	Pn	11 11 39.7 -2.0	Pn		
1.3nm,0.3s,baz=21,slow=11,SNR=35							
FITZ			Sn	11 13 44.4 -1.3	Sn		
0.9nm,0.3s,baz=91,slow=12,SNR=3.9							
WB0	Warramunga Arr	13.57 163 Pn	Pn	11 11 58.5 -0.8	Pn		
WRAB	Tennant Creek	13.71 164 Pn	Pn	11 12 01.1 +0.1	Pn		
WRA	Warramunga Arr	13.72 164 Pn	Pn	11 12 00.1 -1.0	Pn		
WRA	Warramunga Arr	13.72 164 Pn	Pn	11 12 01.9 +0.8	Pn		
0.8nm,0.3s,baz=346,slow=12,SNR=11							
WRA			Sn	11 14 28.0 -6.0	Sn		
1.7nm,0.3s,baz=331,slow=23,SNR=8.9							
WB2	Warramunga Arr	13.72 164 Pn	Pn	11 12 01.1 0.0	Pn		
WR0	Warramunga Arr	13.75 163 Pn	Pn	11 12 03.1 +1.1	Pn		
AS31	Alice Springs	17.02 169 P	P	11 12 41.8 0.0	P		
AS31			IAMB	11 12 50.3	IAMB		
comp=Z,1.8nm,0.5s							
ASAR	Alice Springs	17.20 169 P	P	11 12 47.4 +4.1	P		
comp=Z,0.7nm,0.3s,baz=344,slow=9.0,SNR=18							
ASAR			S	11 15 55.0 +4.3	S		
comp=Z,0.6nm,0.4s,baz=257,slow=37,SNR=5.6							
PSA00	Pilbara Seismi	17.88 213 P	P	11 12 47.4 -1.7	P		
PSA00			IAMB	11 13 29.9	IAMB		
comp=Z,1.7nm,1.4s							
STKA	Stephens Creek	27.17 159 P	P	11 14 25.5 +6.0	P		
comp=Z,1.0nm,0.4s,baz=331,slow=12,SNR=3.3							
MKAR	Makanchi Array	68.14 327 P	P	11 19 36.0 +3.0	P		
comp=Z,1.9nm,0.4s,baz=114,slow=8.3,SNR=36							
KURB0	Kurchov Arr	72.42 328 P	P	11 20 01.3 +2.4	P		
comp=Z,0.4nm,0.4s,baz=128,slow=4.7,SNR=5.6							
comp=Z,0.4nm,0.4s							

NEIC 28 11:44:39.0;2.1;24.12S;0.07;67.4W;0.1,h210km,15km, mb4.2/3, Error ellipse: s-maj=15.5km s-min=10.2km az=104.0

GUC 28 11:44:38.5;0.7;24.25S;67.22W,h202km,8km,ML4.0

SJA 28 11:44:38.9;0.6;24.13S;67.20W,h176km,5km,ML3.9, MW3.8

IDC 28 11:44:40.2;2.4;24.02S;66.96W,h183km,21km,mb3.4/8, mbtmp3.9/13, Error ellipse: s-maj=21.7km s-min=14.9km az=55.0

ISC 28 11:44:38.8;0.7;24.15S;0.04;67.16W;0.05,h179km,7km,n70,c1547/86,mb3.6/8,6C-1D,Chile-Argentina border region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
AF01	San Pedro de A	1.52 322 eP	Op	11 45 12.8 +1.6	Pn		
AF01	San Pedro de A	1.52 322 eP	Pn	11 45 12.8 +1.6	Pn		
AF01			eS	11 45 38.8 +2.6	Sn		
AF01			IAMB	11 45 42.0	IAMB		
comp=E,590nm,0.6s							
AF01	San Pedro de A	1.52 322 eP	Pn	11 45 11.6 +0.4	Pn		
AF01			eS	11 45 34.7 -1.5	Sn		
AF01			IAMB	11 45 58.1	IAMB		
comp=Z,362nm,0.6s							
SLA	San Lorenzo	1.61 111 I/P	Pn	11 45 13.4 +1.5	Pn		
SLA	San Lorenzo	1.61 111 eP	Pn	11 45 13.6 +1.7	Pn		
AZAP	Zapla	1.91 93 eP	Pn	11 45 16.1 +1.0	Pn		
AZAP			IAMB	11 45 45.9	IAMB		
comp=Z,263nm,0.6s							
GO02	Mina Guanaco	2.43 245 I/P	Pn	11 45 21.9 +0.9	Pn		
GO02	Mina Guanaco	2.43 245 I/P	Pn	11 45 21.8 +0.9	Pn		
GO02			eS	11 45 53.9 +0.3	Sn		
GO02			IAMB	11 45 54.8	IAMB		
comp=N,1µm,0.2s							
YJA	Yavi	2.48 38 eP	Pn	11 45 23.0 +1.3	Pn		
YJA			eS	11 45 53.5 -1.5	Sn		
ALOL	LOMAS DE OLMED	2.93 84 eP	Pn	11 45 27.6 +1.1	Pn		
ALOL			eS	11 45 54.8 -8.9	Sn		
PB14	IPOC Station P	2.99 260 I/P	Pn	11 45 27.9 +0.3	Pn		
PB14	IPOC Station P	2.99 260 I/P	Pn	11 45 27.9 +0.3	Pn		
comp=E,178nm,0.4s							
PB14	IPOC Station P	2.99 260 eP	Pn	11 45 28.0 +0.3	Pn		
PB14			eS	11 46 04.6 -1.1	Sn		
PB14			IAMB	11 46 07.3	IAMB		
comp=Z,168nm,0.5s							
PB09	IPOC Station P	3.03 320 I/P	Pn	11 45 29.3 +1.4	Pn		
PB09	IPOC Station P	3.03 320 I/P	Pn	11 45 29.3 +1.4	Pn		
PB09			IAMB	11 46 07.8	IAMB		
comp=E,464nm,0.4s							
PB09	IPOC Station P	3.03 320 eP	Pn	11 45 29.4 +1.4	Pn		
PB09			eS	11 46 07.1 +0.9	Sn		

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PB09	comp=Z,337nm,0.9s		Pn	11 45 31.3 +0.8
AC02	Maricunga	3.21 213 I/P	Pn	11 45 31.2 +0.8
AC02	Maricunga	3.21 213 I/P	Pn	11 45 27.3
comp=E,117nm,0.3s				
AC02	Maricunga	3.21 213 eP	Pn	11 45 31.4 +0.9
AC02			Sn	11 46 10.2 -0.5
AC01	Pan de Azucar	3.69 237 Pn	Pn	11 45 35.1 -0.9
AC01	Pan de Azucar	3.69 237 Pn	Pn	11 45 35.1 -0.9
AC01	Pan de Azucar	3.69 237 eP	Pn	11 45 35.3 -0.7
AC01			Sn	11 46 18.6 -2.1
AC01			Sn	11 46 19.8
comp=Z,158nm,0.5s				
PB01	IPOC Station P	3.77 325 I/P	Pn	11 45 37.1 +0.1
PB01	IPOC Station P	3.77 325 I/P	Pn	11 45 37.1 +0.1
PB01	IPOC Station P	3.77 325 eP	Pn	11 45 37.2 +0.1
PB01			eS	11 46 21.6 -1.0
PB01			IAMB	11 46 23.3
comp=Z,222nm,0.3s				
AC06	Mina Casimiro	4.30 221 eP	Pn	11 45 42.5 -1.1
AC06	Mina Casimiro	4.30 221 eP	Pn	11 45 42.6 -1.1
PATCX	Punta Patache	4.32 320 eP	Pn	11 45 43.5 -0.6
PATCX	Punta Patache	4.32 320 eP	Pn	11 45 43.8 -0.3
PATCX	Punta Patache	4.32 320 eP	Pn	11 45 44.2 +0.1
PATCX			eS	11 46 36.1 +0.9
PATCX			IAMB	11 46 45.0
comp=Z,100nm,0.3s				
PB08	IPOC Station P	4.40 335 eP	Pn	11 45 46.0 +0.6
PB08	IPOC Station P	4.40 335 eP	Pn	11 45 46.3 +0.9
PB08			eS	11 46 37.6 +0.1
PB08			IAMB	11 46 38.5
comp=Z,91nm,0.5s				
CYA	Choya	4.44 164 eP	Pn	11 45 46.7 +1.2
TA01	Diego Aracena	4.53 321 Pn	Pn	11 45 46.5 -0.2
TA01	Diego Aracena	4.53 321 eP	Pn	11 45 46.4 -0.4
TA01	Diego Aracena	4.53 321 eP	Pn	11 45 46.7 -0.1
TA01			eS	11 46 37.4 -2.6
TA01			IAMB	11 46 42.0
comp=Z,98nm,0.6s				
HMBC	Humberstone	4.61 326 I/P	Pn	11 45 46.6 -1.3
HMBC	Humberstone	4.61 326 I/P	Pn	11 45 46.6 -1.3
HMBC	Humberstone	4.61 326 eP	Pn	11 45 46.8 -1.1
HMBC			eS	11 46 39.6 -2.4
HMBC			IAMB	11 46 45.8
comp=Z,225nm,0.5s				
TA02	Huapiquite	4.74 324 Pn	Pn	11 45 48.6 -0.9
TA02			Pn	11 46 39.8 -5.2
GO01	Chusmiza	4.84 337 Pn	Pn	11 45 50.9 -0.4
ACLC	CERRO LA CRUZ	5.25 178 eP	Pn	11 45 56.5 +0.3
AC04	Llanos de Chal	5.35 220 Pn	Pn	11 45 55.0 -2.3
LCO	Las Campanas	5.78 212 Pn	Pn	11 46 01.0 -2.2
PB12	IPOC Station P	6.25 331 Pn	Pn	11 46 07.9 -0.1
GO04	Tololo Observa	6.81 208 Pn	Pn	11 46 14.6 -2.2
CO03	El Pedregal	7.36 204 Pn	Pn	11 46 23.0 -0.7
LPZA	La Paz	7.88 353 P	Pn	11 46 31.5 +0.3
comp=Z,4.0nm,0.3s,baz=153,slow=6.8,SNR=1.6				
LPZA			Sn	11 47 59.3 -0.7
comp=Z,1.2nm,0.3s,baz=328,slow=18,SNR=1.8				
CPUP	Villa Florida	9.16 106 P	Pn	11 46 46.4 -1.0
comp=Z,1.4nm,0.7s,baz=294,slow=10,SNR=4.1				
MT02	Curacav	9.27 200 Pn	Pn	11 46 51.7 -2.0
SIV	San Ignacio	9.33 36 P	Pn	11 46 55.5 -3.0
SIV			Sn	11 48 43.3 -4.9
comp=Z,1.1nm,0.6s,baz=219,slow=13,SNR=1.7				
ITAB	Pedras Altas	14.17 125 Pn	Pn	11 47 49.5 +1.3
PLTB	Pedras Altas	14.17 125 Pn	Pn	

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H11N2 WAKE ISLAND Hy 32.5200 T, H11N3 WAKE ISLAND Hy 32.53 200 T, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBSI Bau Bau 16.92 263 P, WRAB Tennant Creek 16.95 197 Pn, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAN comp-Z,2.27nm,1.3s pmax pmax, MORW Morawa 33.67 219 P, etc.

IDC 28 13:02:36.8-1.8, 13.639Sx71.08W, h0km, mb3.5/1, mbtm3.6/4, ML3.4/3, MS3.1/4, Error ellipse: s-maj=73.8km s-min=23.0km az=27.0, Central Peru

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LPAZ La Paz 3.85 133 Op, NNA Nana 5.87 286 Pn, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BATI Baunata 16.96 247 P, CTA Charters Tower 17.22 168 P, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JNU Nakatsu 37.44 348 LR, JMN Monobe 37.53 352 P, etc.

BUI 28 13:03:53.1, 3.82Sx139.92E, h68km, mB5.2/21, mb4.8/6/4, Ms4.6/25, Ms7.4/3/25

MOS 28 13:03:55.2, 0.8, 3.65S, 139.46E, h62km, mb5.1/30, Error ellipse: s-maj=6.2km s-min=6.2km az=105.3

NEIC 28 13:03:57.6, 1.8, 3.64S, 0.05, 139.36E, 0.07, h56km, 5km, mb5.1/140, Error ellipse: s-maj=10.0km s-min=7.2km az=83.0

DJA 28 13:03:57.0, 0.2, 4.5Sx2.14E, h66km, 2km, Ms.2/72, mb5.4/72, mB5.6/26, MLV5.7/10, Mw(mB)5.0/26, MwMwp4.5/1, Mwmp4.9/1

IDC 28 13:03:57.5, 1.6, 3.53S, 139.44E, h60km, 15km, mb4.4/18, mbtm4.8/22, MS3.8/36, Error ellipse: s-maj=14.5km s-min=9.8km az=97.0

GCMT 28 13:03:59.6, 0.2, 3.53S, 0.01x139.32E, 0.02, h65km, 2km, MW5.0/63, Moment Tensor Solution, s34.c43, s53.c124, Duration: 0, Moment Tensor: Scale 1016Nm, Mw=0.62, 1.4, Mw=2.92, 11; Mw=3.58, 11; Mw=1.27, 08; Mw=0.06, 08; Mw=1.40, 08; Best double couple: Mw=3.77900, 0.16 NP1=44.00000, s59.00000, l=-6.00000, NP2: s=137.00000, s85.00000, l=148.00000, Principal axes: T 4.0270, Plg18.00000, Azm266.00000; N -0.4950, Plg58.00000, Azm146.00000; P -3.5310, Plg26.00000, Azm5.00000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rater function

ISC 28 13:03:57.4, 0.4, 3.63S, 0.03x139.44E, 0.04, h59km, 3km, h59km, P=2, n14, 0.118/558, mb5.0/143, MS3.9/37, GC-18D, Iran Jaya

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAMI Wamena 0.77 251 Op, GENI Genyem 1.26 35 P, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WBSI Waukububak, TATA Tamaba Isabel, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SLVN Son La 42.74 307 P, SLVN Son La 42.74 307 P, etc.

28d 13h

Table with columns for station ID, name, coordinates, and various data points. Includes stations like CD2, BJ1, MLZ, URZ, etc.

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Table with columns for station ID, name, coordinates, and various data points. Includes stations like YAK, YAK, YAK, etc.

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Table with columns for station ID, name, coordinates, and various data points. Includes stations like O15K, TNA, J14K, etc.

Table with columns: ID, Name, Az, El, SNR, P, I, A, M, B, Az, El, SNR, P, I, A, M, B. Includes stations like M20K Styx River, B18K Kokolik River, H19K Roundabout Mo, etc.

Table with columns: ID, Name, Az, El, SNR, P, I, A, M, B, Az, El, SNR, P, I, A, M, B. Includes stations like PAX Paxson, TOLK Tookik Lake Re, N25K Chitina, Valde, etc.

Table with columns: ID, Name, Az, El, SNR, P, I, A, M, B, Az, El, SNR, P, I, A, M, B. Includes stations like S32K Killisnoo, R32K Eaglecrest, WHY Whitehorse, etc.

IDC 28 13:14:41.7, 1.2, 45.91Sx76.74W, h0km, mb4.3/4, mbmp4.16, ML3.5/1, MS3.7/8, Error ellipse: s-maj=48.6km, s-min=25.0km, phi=106.0

GUC 28 13:14:42.0, 0.5, 45.58Sx76.74W, h10km, ML3.5, ISC 28 13:14:44.5, 1.1, 45.70Sx76.70W, 0.09, h17km, n28, alpha15/23, mb4.1/4, MS3.7/7, Off coast of southern Chile

Table with columns: Code, Station Name, Az, El, SNR, P, I, A, M, B, Az, El, SNR, P, I, A, M, B. Includes stations like CUEV Cuervo, USPA Upsallante, CHAC Puerto Chacabun, etc.

SJA 28 13:28:03.0, 0.8, 31.36Sx68.88W, h10km, 2km, ML3.4, MW3.2, GUC 28 13:28:05.1, 0.7, 31.38Sx68.89W, h22km, 4km, ML3.6, ISC 28 13:28:03.9, 0.9, 31.38Sx02.6876W, 0.03, h17km, 7km, n52, alpha203/104, 1C, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MT05, VA06, PEL, BO04, MT12, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HEN, TWK1, TSEB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CALA, ROSA, PCAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ICHU, VCHM, CHN4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ELDTW, STYH, LONT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H07N1, DAVOX, JMJC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AKASG, TKL, KIRV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AKTO, ANMO, TXAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CALA, ROSA, PCAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CALA, ROSA, PCAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PICO, PAGO, PICO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PMG, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CAPC, LCBC, LOGC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BI04, BI05, LC02, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BI04, BI05, LC02, etc.

28d 15h

Table with columns: LR05, Currie, 3.35 146, IAML, 15 27 34.2, etc.

IDC 28 15:37:46.5+2.9, 2.07N, 99.40E, h117km, 24km, mb3.0/5, mbtm3.4/5, Error ellipse: s-maj=287.4km s-min=18.5km az=55.0

DJA 28 15:37:47.0+5.2, 2.2N, 99.9E, h112km, 5km, M3.5/10, MLV3.5/10

ISC 28 15:37:45.6-1.0, 1.96N, 0.05, 99.01E, 0.07, h100km, n12, c241/17, mb3.3/5, Northern Sumatera

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

WEL 28 15:38:19.4+1.3, 3.32S, 24.17W, h4.4, h328km, 6.2km, mb4.1/6, ML4.3/4, MLV4.2/10, Mw(MB)3.1/6, Error ellipse: s-maj=58.0km s-min=29.0km az=102.9, Kermadec Islands region

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

IDC 28 15:38:36.5+1.2, 6.74N, 72.89W, h170km, 16km, mb2.8/2, mbtm3.6/4, Error ellipse: s-maj=50.2km s-min=14.4km az=129.0

RSNC 28 15:38:37.0+0.7, 7.1N, 1.7W, h147km, 1km, M3.2, mb3.8, m85.8, ML3.0, Mw(MB)5.3

ISC 28 15:38:35.9+0.9, 6.83N, 0.03, 73.10W, 0.04, h155km, 6km, n45, c193/85, Northern Colombia

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

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Table with columns: CRJC, Correjon, Guaj, 4.17 3, P, Pn, 15 39 37.9 -0.7, etc.

ISC 28 15:39:01.6+0.2, 3.42N, 0.08, 135.7E, 0.01, h422km, 8km, mb4.1/18, Error ellipse: s-maj=18.2km s-min=10.0km az=116.0

ISC 28 15:39:00.9-0.6, 3.408N, 0.07, 135.64E, 0.07, h419km, 6km, n74, c084/80, mb3.7/20, Near south coast of western Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

ISC 28 15:39:01.6+0.2, 3.42N, 0.08, 135.7E, 0.01, h422km, 8km, mb4.1/18, Error ellipse: s-maj=18.2km s-min=10.0km az=116.0

ISC 28 15:39:00.9-0.6, 3.408N, 0.07, 135.64E, 0.07, h419km, 6km, n74, c084/80, mb3.7/20, Near south coast of western Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

ISC 28 15:39:01.6+0.2, 3.42N, 0.08, 135.7E, 0.01, h422km, 8km, mb4.1/18, Error ellipse: s-maj=18.2km s-min=10.0km az=116.0

ISC 28 15:39:00.9-0.6, 3.408N, 0.07, 135.64E, 0.07, h419km, 6km, n74, c084/80, mb3.7/20, Near south coast of western Honshu

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

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Table with columns: ABKAR, Akbulak array, 56.24 310, P, P, 15 47 59.8 +0.2, etc.

ISC 28 15:45:19.4+1.0, 3.826N, 36.13E, h0km, mb3.4/4, mbtm3.4/8, ML3.2/4, MS2.9/3, Error ellipse: s-maj=18.5km s-min=12.2km az=46.0

ISC 28 15:45:19.6, 38.16N, 36.21E, h5km, ML3.6/24, AFAD 28 15:45:20.2, 38.16N, 36.16E, h10km, 2km, MW3.7

ISC 28 15:45:20.0+1.1, 38.17N, 0.02, 36.17E, 0.01, h5km, 8km, n84, c195/17, mb3.5/4, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

ISC 28 15:45:19.4+1.0, 3.826N, 36.13E, h0km, mb3.4/4, mbtm3.4/8, ML3.2/4, MS2.9/3, Error ellipse: s-maj=18.5km s-min=12.2km az=46.0

ISC 28 15:45:19.6, 38.16N, 36.21E, h5km, ML3.6/24, AFAD 28 15:45:20.2, 38.16N, 36.16E, h10km, 2km, MW3.7

ISC 28 15:45:20.0+1.1, 38.17N, 0.02, 36.17E, 0.01, h5km, 8km, n84, c195/17, mb3.5/4, Turkey

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like FINES, KURBB, MKAR, CMAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like YATNC, QUENC, DZM, DZM, DZM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like CTAO, CTAO, CTAO, CTAO, CTAO.

TAP 28 15:50:17.2, 25:18N:121:60E, h5km, ML1.6, 3C-3D, A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like YM08, YM01, ZUZH, NWRU, ANPU, etc.

TAP 28 15:50:17.2, 25:18N:121:60E, h5km, ML1.6, 3C-3D, A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like NFK, NFK, NFK, NFK, NFK.

TAP 28 15:50:17.2, 25:18N:121:60E, h5km, ML1.6, 3C-3D, A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like MILA, CMSA, MTSU, QLP, etc.

DJA 28 15:57:03.3, 1.0, 8'S, 9+107E, h11km, 5km, M3.6/10, mb3.6/1, MLV3.5/10, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like CNJI, SKUI, LEM, etc.

DJA 28 15:57:03.3, 1.0, 8'S, 9+107E, h11km, 5km, M3.6/10, mb3.6/1, MLV3.5/10, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like HIZ, HIZ, HIZ, HIZ, HIZ.

DJA 28 15:57:03.3, 1.0, 8'S, 9+107E, h11km, 5km, M3.6/10, mb3.6/1, MLV3.5/10, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like STKA, STKA, STKA, STKA, STKA.

BGR 28 15:59:08.4, 18:60S:177:56W, h33km

BUI 28 16:00:15.0, 17:60S:179:22W, h608km, mB5.0/30, mb4.9/71

MOS 28 16:00:16.0, 17:88S:179:32W, h618km, mb4.9/24, Error ellipse: s-maj=10.4km s-min=9.8km az=93.8

NEIC 28 16:00:16.8, 2.3, 17:96S:10:17, 179:28W:0.09, h619km, 4km, mb5.2/416, Mw5.6/26, Mw5.5/19, Error ellipse: s-maj=14.9km s-min=12.5km az=154.0, Moment Tensor Solution. Moment tensor: Scale 10^17Nm; Mn:0.94; Mw:0.75; Mw:0.19; Mw:0.70; Mw:0.91; Mw:2.65; Fault plane solution: M3.0200x10^17 NP1; comp=Z, 2.146, Plg3.0000; Azm93.0000; N-0.3964, Plg14.0000; Azm338.0000; P-2.9387, Plg34.0000; Azm236.0000;

NEIC 28 16:00:16.4, 17:97S:179:27W, h630km

NEIC 28 16:00:16.4, 18:07S:179:27W, h630km, Moment Tensor Solution. Duration: 299 Moment tensor: Scale 10^17Nm; Mn:0.86; Mw:0.60; Mw:0.27; Mw:0.26; Mw:0.48; Mw:2.04; Fault plane solution: M2.2200x10^17 NP1; comp=Z, 2.990, 3.160, 6.9000; 3.160, 6.9000; 1.34, 3.95000; NP2; comp=Z, 1.66, 5.0000; 3.80, 5.3000; 1.103, 8.0000; Principal axes: T 2.4164, Plg3.0000; Azm93.0000; N-0.3964, Plg14.0000; Azm338.0000; P-2.9387, Plg34.0000; Azm236.0000;

NEIC 28 16:00:16.4, 17:97S:179:27W, h614km

NOU 28 16:00:16.2, 17:87S:179:24W, h623km, ML5.2/139, Fiji Islands Region

IDC 28 16:00:17.1, 1.0, 3.3, 17:84S:179:34W, h622km, 3km, mb4.4/32, mbmp5.4/35, Error ellipse: s-maj=9.5km s-min=6.7km az=159.0

GCMT 28 16:00:19.8, 0.2, 17:88S:0:02, 179:25W:0:02, h623km, 2km, Mw5.5/109, Moment Tensor Solution. s109ct106; Duration: 164 Moment tensor: Scale 10^17 Nm; Mn:1.01; Mw:0.04; Mw:0.90; Mw:0.10; Mw:0.72; Mw:0.25; Mw:0.66; Mw:2.40; Mw:0.66; Best double couple: M2.6360x10^17 NP1; comp=Z, 2.9590, 3.80000; 3.80000, 2.9590; 1.38, 0.0000; NP2; comp=Z, 1.58, 0.0000; 3.82, 0.0000; 1.101, 0.0000; Principal axes: T 2.9590, Plg52.0000; Azm80.0000; N-0.6470, Plg10.0000; Azm336.0000; P-2.3130, Plg36.0000; Azm239.0000; nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 28 16:00:16.2, 0.2, 17:90S:0:03, 179:25W:0:03, h619km, 2km, h193km:PP-P, n1230, 15:15/1151, mb5.2/344, 101C-49D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like LKBA, DGTI, MSVF, MSVF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like YATNC, QUENC, DZM, DZM, DZM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like CTAO, CTAO, CTAO, CTAO, CTAO.

28d 16h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like DRS Darwin, RSKPI Ransiki, SAUI Saumlaki, WRKA Warakurna, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like CASY Casey, GUMI Gumukmas, MTKM Muara Tewe, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like KRPM Rodgers, KHMM Horse Mountain, OHAK Old Harbor, etc.

ILSW	comp=Z,36nm,0.6s Iliamna Southw	80.45	13	I	Amb	I	Amb	16 11 24.7
HOM	baz=207 Homer	80.49	14	P	P	P	P	16 11 24.7 +0.0
N18K	baz=202 Kilae Creek	80.54	11	P	P	P	P	16 11 25.0 -0.1
L15K	baz=197 Ungalak Mounta	80.56	8	P	P	P	P	16 11 25.0 -0.1
TIA	Tai'an	80.65	313	P	S	P	S	16 11 26.5 +0.3
TIA	TIA							16 20 43.3 -0.7
O20K	comp=Z,20nm,1.0s Slope Mountain	80.65	13	P	P	P	P	16 11 26.6 +0.9
PPI	baz=206 Padang Panjang	80.68	273	P	P	P	P	16 11 27.0 +0.1
HSIG	comp=Z,137nm,1.7s Bradley Lake	80.74	56	I	Amb	I	Amb	16 11 29.9
BRLL	comp=Z,44nm,0.6s Bradley Lake S	80.77	14	P	P	P	P	16 11 26.6 +0.3
BRSE	baz=207,SNR=5.5 Guilin	80.82	300	P	P	P	P	16 11 27.0 -0.3
GULI	baz=202 Owhat River	80.89	9	I	Amb	I	Amb	16 11 28.8
L16K	comp=Z,136nm,1.7s Owhat River	80.89	9	P	P	P	P	16 11 27.6 +0.8
L16K	baz=193,SNR=15 Carvers	80.93	44	I	Amb	I	Amb	16 11 29.8
Q09A	comp=Z,77nm,0.7s Holitna River	80.93	10	P	P	P	P	16 11 27.9 +0.9
M17K	baz=201 Bonanza Creek	80.94	12	P	P	P	P	16 11 26.7 -0.5
N19K	baz=204,SNR=11 Magadan	80.98	345	I	P	P	P	16 11 27.2 -0.1
MA2								
K15K	comp=Z,18nm,1.1s Wolf Creek Mou	81.15	8	I	Amb	I	Amb	16 11 29.8
K15K	comp=Z,101nm,0.7s Wolf Creek Mou	81.15	8	P	P	P	P	16 11 28.9 +0.8
K15K	baz=197,SNR=4.9 Pine Mountain	81.28	39	I	Amb	I	Amb	16 11 31.7
S11A	comp=Z,76nm,0.7s Rachel	81.29	46	I	Amb	I	Amb	16 11 31.4
M18K	comp=Z,61nm,0.7s Stony River	81.30	11	P	P	P	P	16 11 29.2 +0.3
J14K	baz=202 Nanvaranak Lak	81.33	7	I	Amb	I	Amb	16 11 30.8
J14K	comp=Z,126nm,1.8s Nanvaranak Lak	81.33	7	P	P	P	P	16 11 29.8 +0.8
HG4B	baz=195 Hotspring	81.38	28	I	Amb	I	Amb	16 11 31.5
SEW	comp=Z,206nm,2.0s Seward	81.40	15	P	P	P	P	16 11 29.3 -0.1
DIB	baz=209 Dawson Inlet,	81.47	26	I	Amb	I	Amb	16 11 31.7
L17K	comp=Z,93nm,1.6s Donlin	81.48	10	P	P	P	P	16 11 31.0 +1.2
CAPN	baz=200 Captain Cook N	81.59	14	P	P	P	P	16 11 31.2 +0.9
Q23K	baz=207 Middleton Isla	81.60	16	P	P	P	P	16 11 31.4 +0.9
GAMB	baz=212 Gambell	81.62	3	P	P	P	P	16 11 31.2 +0.7
IPM	baz=187,SNR=19 Iloh	81.63	277	I	Amb	I	Amb	16 11 33.1
IPM	comp=Z,75nm,0.9s Iloh	81.63	277	P	P	P	P	16 11 32.3 +0.6
WISH	comp=Z,63nm,0.7s Wishkah	81.64	35	I	Amb	I	Amb	16 11 33.2
SISI	comp=Z,51nm,0.8s Saibi	81.66	271	P	P	P	P	16 11 32.8 +0.9
O22K	comp=Z,51nm,0.8s Cooper Landing	81.67	14	P	P	P	P	16 11 30.8 0.0
C03A	baz=208,SNR=8.4 Quillayute Air	81.72	34	I	Amb	I	Amb	16 11 34.5
HOOD	comp=Z,228nm,1.6s Mount Hood Me	81.75	37	I	Amb	I	Amb	16 11 39.8
NLWA	comp=Z,61nm,0.8s Neilton Lookou	81.75	34	I	Amb	I	Amb	16 11 33.5
SP1R	comp=Z,36nm,0.7s Spry Chakacha	81.75	13	P	P	P	P	16 11 30.5 -0.8
R03B	baz=203,SNR=3.8 Troy Canyon, C	81.75	45	P	P	P	P	16 11 32.8 +0.8
P23K	baz=240,SNR=39 Montague Islan	81.81	16	P	P	P	P	16 11 31.2 -0.4
L18K	baz=210 Granite Mounta	81.83	10	P	P	P	P	16 11 32.3 +0.7
MNSI	baz=202 Mandailing Nat	81.84	273	P	P	P	P	16 11 32.0 -0.8
WVOR	comp=Z,59nm,0.8s Wild Horse Val	81.82	41	I	Amb	I	Amb	16 11 34.7
K17K	comp=Z,59nm,0.8s Iditarod	82.03	10	P	P	P	P	16 11 32.8 +0.2
L19K	baz=200,SNR=17 White Mountain	82.12	11	P	P	P	P	16 11 33.9 +0.8
M20K	baz=203 Styx River	82.18	12	P	P	P	P	16 11 32.7 -0.8
RC01	baz=205 Rabbit Creek A	82.20	14	I	Amb	I	Amb	16 11 34.5
RC01	comp=Z,214nm,1.8s Rabbit Creek A	82.20	14	P	P	P	P	16 11 33.4 -0.1
J16K	baz=208,SNR=6.4 Anvik River	82.22	8	P	P	P	P	16 11 34.1 +0.5
KULM	baz=198 Kulim	82.24	278	P	P	P	P	16 11 35.6 +0.8
BELA	comp=Z,21nm,0.8s Belgrano 2	82.27	173	P	P	P	P	16 11 34.1 +0.4
G06A	comp=Z,69nm,1.2s Carlson Farm,	82.28	37	I	Amb	I	Amb	16 11 35.8
I07A	comp=Z,69nm,1.2s Ize	82.30	39	I	Amb	I	Amb	16 11 36.5
TUC	comp=Z,56nm,0.7s Tucson	82.33	53	P	P	P	P	16 11 36.5 +1.5
TUC	comp=Z,131nm,1.6s Tucson	82.33	53	P	P	P	P	16 11 36.5 +1.5
PWL	comp=Z,131nm,1.6s Port Wells	82.33	15	I	Amb	I	Amb	16 11 34.3
PWL	comp=Z,50nm,0.6s Port Wells	82.33	15	P	P	P	P	16 11 34.0 -0.2
GNW	baz=210,SNR=9.7 Green Mountain	82.42	35	I	Amb	I	Amb	16 11 36.5
HEH	comp=Z,36nm,0.7s HeiHe	82.49	329	eP	S	P	S	16 11 35.5 +0.3
HEH								16 14 48.3 +2.0
HEH								16 21 05.0 +3.3
J08A	comp=Z,9.0nm,0.8s Circle Bar Ran	82.52	40	I	Amb	I	Amb	16 11 38.2
KAIM	comp=Z,135nm,1.3s Kayak Island	82.55	17	P	P	P	P	16 11 35.5 +0.3
J17K	baz=213 VABM Dome	82.55	9	P	P	P	P	16 11 35.5 +0.3
L20K	baz=199,SNR=24 Farewell, AK	82.58	12	P	P	P	P	16 11 35.5 +0.1
SKT	baz=204 Skwentna	82.60	13	P	P	P	P	16 11 34.7 -0.8
TTA	comp=Z,202,SNR=16 Tatalina	82.61	10	P	P	P	P	16 11 35.7 +0.2
TTA	baz=202,SNR=16 Tatalina	82.61	10	P	P	P	P	16 11 35.2 -0.4
GLI	comp=Z,211,SNR=17 Glacier Island	82.65	15	P	P	P	P	16 11 34.9 -0.9
BBB	comp=Z,34nm,0.7s Bella Bella	82.69	29	I	Amb	I	Amb	16 11 37.3
BBB	comp=Z,23nm,0.5s, baz=274,slow=3.9,SNR=54 Bella Bella	82.69	29	P	P	P	P	16 11 36.8 +0.7
FID	comp=Z,23nm,0.5s Port Fidalgo	82.70	16	I	Amb	I	Amb	16 11 37.4
M22K	comp=Z,63nm,1.3s Willow	82.70	14	I	Amb	I	Amb	16 11 36.6
M22K	comp=Z,113nm,1.1s Willow	82.70	14	P	P	P	P	16 11 35.2 -0.8
EYAK	baz=208,SNR=9.2 Cordova Ski Ar	82.71	16	P	P	P	P	16 11 35.1 -0.9
EYAK	baz=212 Cordova Ski Ar	82.71	16	P	P	P	P	16 11 35.8 -0.2
LCMT	comp=Z,182nm,1.9s Little Creek M	82.71	47	I	Amb	I	Amb	16 11 39.5
PGC	comp=Z,34nm,0.7s Sidney	82.74	34	I	Amb	I	Amb	16 11 37.9
KNK	comp=Z,34nm,0.7s Knik Glacier	82.78	14	I	Amb	I	Amb	16 11 37.2
KNK	comp=Z,38nm,0.6s Knik Glacier	82.78	14	P	P	P	P	16 11 35.6 -0.9
PMR	comp=Z,209,SNR=15 Palmer	82.78	14	I	Amb	I	Amb	16 11 37.4
PMR	comp=Z,68nm,1.2s Palmer	82.78	14	P	P	P	P	16 11 36.0 -0.3
PMR	comp=Z,209,SNR=12 Palmer	82.78	14	P	P	P	P	16 11 36.0 -0.3

I17K	Unalakleet	82.79	8	I	Amb	I	Amb	16 11 38.5
I17K	Unalakleet	82.79	8	P	P	P	P	16 11 37.0 +0.7
X16A	baz=198 Lo Mia Camp, P	82.79	50	I	Amb	I	Amb	16 11 40.5
CRAG	comp=Z,47nm,0.8s Craig	82.84	24	P	P	P	P	16 11 37.3 +0.5
CRAG	baz=224 Craig	82.84	24	P	P	P	P	16 11 36.7 -0.1
CRAG	comp=Z,47nm,0.8s Craig	82.89	6	P	P	P	P	16 11 37.3 +0.4
HNS	baz=193 HongShan	82.92	313	uP	S	P	S	16 11 38.3 +0.6
HNS								16 14 50.0 +0.8
HNS								16 21 00.3 -0.9
J18K	comp=Z,16nm,1.4s Innok River	82.99	10	I	Amb	I	Amb	16 11 38.2
J18K	comp=Z,33nm,0.7s Innok River	82.99	10	P	P	P	P	16 11 38.0 +0.6
GRNB	baz=209 Grenville Isla	83.00	27	I	Amb	I	Amb	16 11 39.9
PSUT	comp=Z,110nm,1.8s Pine Spring	83.03	46	I	Amb	I	Amb	16 11 40.3
RPSI	comp=Z,56nm,0.8s Rantau Prapat	83.05	275	I	Amb	I	Amb	16 11 39.4
319A	comp=Z,50nm,0.8s Douglas	83.07	54	I	Amb	I	Amb	16 11 41.6
F07A	comp=Z,50nm,0.8s Phinn Hill Vi	83.07	37	I	Amb	I	Amb	16 11 39.8
SML	comp=Z,41nm,0.6s Sawmill	83.16	14	I	Amb	I	Amb	16 11 39.4
SML	comp=Z,92nm,1.6s Sawmill	83.16	14	P	P	P	P	16 11 38.1 -0.2
SIT	baz=210,SNR=5.7 Sitka	83.17	22	P	P	P	P	16 11 39.1 +0.7
ELK	baz=222 Elko	83.20	43	I	Amb	I	Amb	16 11 41.9
ELK	comp=Z,139nm,1.8s Elko	83.20	43	P	P	P	P	16 11 40.4 +1.1
SNH	comp=Z,17nm,0.7s, baz=248,slow=4.3,SNR=66 Sunshine Point	83.20	17	I	Amb	I	Amb	16 11 39.8
LYN	comp=Z,71nm,0.7s LuoYang	83.20	309	P	P	P	P	16 11 40.3 +1.2
LYN								16 13 51.5 -0.5
LYN								16 21 15.0 +5.6
BJT	comp=Z,88nm,0.9s Bajitau	83.21	316	I	Amb	I	Amb	16 11 40.6
BJL	comp=Z,90nm,1.9s Beijing	83.22	316	P	S	P	S	16 11 39.5 +0.5
BJL								16 21 08.8 -0.5
BJL	comp=Z,9.0nm,0.9s Beijing							
CJT	comp=Z,44nm,4.9s Chulitna	83.25	13	P	P	P	P	16 11 38.3 -0.3
MXC	baz=208 Moxie City	83.25	37	I	Amb	I	Amb	16 11 41.3
M23K	comp=Z,96nm,1.6s Glacier View	83.29	14	P	P	P	P	16 11 38.6 -0.3
PPLA	baz=210,SNR=9.3 Purkeypile	83.29	12	P	P	P	P	16 11 38.2 -0.9
G08A	baz=206 Pilot Peak	83.29	38	I	Amb	I	Amb	16 11 41.2
U33K	comp=Z,40nm,0.7s Whale Pass	83.31	24	I	Amb	I	Amb	16 11 40.8
U33K	comp=Z,42nm,0.6s Whale Pass	83.31	24	P	P	P	P	16 11 39.2 +0.1
H16K	baz=224,SNR=5.8 Elim	83.31	7	P	P	P	P	16 11 39.0 +0.1
V35K	baz=196 Ketchikan	83.34	25	P	P	P	P	16 11 38.8 -0.5
WUAZ	comp=Z,295,SNR=5.9 Wupatki	83.35	50	I	Amb	I	Amb	16 11 43.0
K20K	comp=Z,52nm,1.1s Telida	83.35	11	P	P	P	P	16 11 38.8 -0.4
BMRM	baz=204 Bremer River	83.37	16	P	P	P	P	16 11 39.1 -0.3
SCM	comp=Z,213,SNR=16 Sheep Creek Mo	83.42	15	P	P	P	P	16 11 39.1 -0.5
LTY	comp=Z,210,SNR=23 Liberty	83.43	36	I	Amb	I	Amb	16 11 41.2
G15K	comp=Z,32nm,0.8s Niukuk	83.45	6	P	P	P	P	16 11 39.7 +0.1
KLU	baz=195 Klutina	83.47	15	P	P	P	P	16 11 39.4 -0.5
E07A	comp=Z,212,SNR=8.5 Sunnyside	83.49	37	I	Amb	I	Amb	16 11 42.1
S31K	comp=Z,57nm,0.6s Pelican	83.53	21	I	Amb	I	Amb	16 11 42.1
S31K	comp=Z,87nm,1.5s Pelican	83.53	21	P	P	P	P	16 11 40.1 -0.1
PKCU	baz=221 Pink Cliffs	83.57	47	I	Amb	I	Amb	16 11 44.3
HAWA	comp=Z,68nm,1.1s Hanford	83.58	37	I	Amb	I	Amb	16 11 42.5
SEY	comp=Z,60nm,0.6s Seymchan	83.59	347	eP	P	P	P	16 11 40.1 -0.2
MAW	comp=Z,36nm,1.0s Mawson	83.60	200	P	P	P	P	16 11 41.1 +0.7
ENH	comp=Z,38nm,0.8s, baz=135,slow=5.9,SNR=14 Enshi	83.60	304	I	Amb	I	Amb	16 11 43.0
ENH	comp=Z,38nm,0.8s Enshi	83.60	304	P	P	P	P	16 11 40.8 -0.5
TSI	comp=Z,61nm,0.8s Tuntungan	83.64	276	P	P	P	P	16 11 41.9 +0.1
TNA	comp=Z,139nm,1.1s Tinian	83.65	5	P	P	P		

28d 16h

Table with columns: WHY, Whitehorse, 86.02, 20, Iamb, Iamb, 16 11 54.5, etc. Lists various river gauges and their data points.

2019 JAN

Table with columns: K29M, Barlow Dome, 87.64, 17, P, P, 16 12 00.4 +0.5, etc. Lists various river gauges and their data points.

1668

Table with columns: YAK, OZNA, 89.30, 57, Iamb, Iamb, 16 12 10.1, etc. Lists various river gauges and their data points.

28d 21h

Table with columns for station call letters, frequency, and signal strength. Includes stations like MBWH, ANBD, GDSO, and many others.

2019 JAN

Table with columns for station call letters, frequency, and signal strength. Includes stations like 833A, 833A, PLAL, U54A, and many others.

1676

Table with columns for station call letters, frequency, and signal strength. Includes stations like BLO, GCCY, P48A, and many others.

Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like CPBS Cacapava Do Su, KAN12 Harper NE Stat, MXTX Muleshoe, etc.

Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like RPN Rapa Nui, COWI Conover, COWI COWI, etc.

Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like F10A Beach Ranch, I07A Izee, 002D Mt. Diablo Mr, etc.

28d 21h

Table with columns: SIT, PESTR, R32K, R32K, PVIS, P33M, PCBR, PBAR, P32M, POLO, MPMY, MPMY, R31K, R32M, S31K, MVO, SKAG, WHY, FARO, MDT, PLBC, VAL, BORG, M31M, M31M, O30N, O30N, SUMG, SUMG, P30M, N31M, C36M, IGLA, HYT, N30M, N30M, O29M, ESDC, ESDC, M30M, M30M, YUK6, MAYO, YUK4, H31M, H31M, PINM, M29M, M29M, J30M, J30M, IWEX, YUK6, O28M, L29M, K29M, K29M, I30M, I30M, G31M, G31M, IDGL, F31M, F31M, A36M, DSB, PPT, PPT2, PPT2, PPT2, YUK3, NEEM, NEEM, J29N, ILTH, INK, INK, INK, SCO, SCO, EPYK, EPYK, EPYK, BVCY

2019 JAN

Table with columns: DAWY, G30M, G30M, I29M, I29M, F30M, CART, TBI, TBI, TBI, TBI, TBI, TBI, M27K, M27K, H29M, BCAR, G29M, L27K, L27K, VRDI, VRDI, I28M, KAIM, M26K, EGAK, EGAK, GLB, BMRM, E29M, E29M, EUNU, L26K, TORD, N25K, MENT, I27K, F28M, F28M, Q23K, EYAK, H27K, EKA, J26L, J26L, E28M, E28M, E28M, SCRR, SCRR, SCRR, HARP, D28M, I26K, KLU, KLU, RIDG, RIDG, RIDG, RIDG, M24K, P23K, GLI, E27K, E27K, E27K, K24K, CESE, D27M, D27M, D27M, J25K, SCM, G26K, M23K, PWL, PRP, KNK, F26K, F26K, SML, FYU, BMAR, HDA, HDA, HDA

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Table with columns: SEW, ILAR, ILAR, ILAR, ILAR, H25L, PMR, O22K, POKR, POKR, C27K, C27K, F25K, RC01, CCB, COLA, E25K, E25K, E25K, RND, RND, BRSE, MCKE, DAG, DAG, M22K, H24K, H24K, G24K, NEA2, NEA2, CUT, CAPN, HOM, I23K, I23K, TRF, TRF, D25K, D25K, KDAK, KDAK, F24K, Q20K, SKT, SKT, OHAK, E24K, E24K, O20K, SPCR, BPAW, BPAW, TAM, G23K, P19K, ILSW, SII, PPLA, Q19K, CAST, SSB, SSB, D24K, E23K, E23K, COLD, C24K, TOLK, R18K, CHUM, M20K, H22K, I21K, I21K, UCC, DOU, O19K, BMRD, CHIR, D23K, D23K, L20K, N19K, H21K, H21K, C23K, C23K, BGES, P18K

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like F22K John River, RCHB Rochefort, O18K Koktuh Hills, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like FUORN Ofenpass-Fuorn, L15K Ulysses, N14K Kuskokwak Cree, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like BRG Biaggiesshubel, SNAA Sanae, SNAA Sanae, etc.

Table with columns: Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Mudanjiang, Songjino Array, Changchun, etc.

Table with columns: Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Black Hills, Casper, Red Feather La, etc.

Table with columns: Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LFK, AKINCILAR-KIB, ATHALASSA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BVAR Borovoye Array, BRVK Borovoye, ABKAR Akbulak array, etc.

SDD 28 22:01:11.3z.2.5, 18.74N:69.43W, h106km, 7km, MD3.6, ML4.0, MW4.1

OSPL 28 22:01:11.9z.1.8, 18.57N:69.41W, h104km, 10km, ML3.6

ISC 28 22:01:09.0z.1.4, 18.76N:0.05:69.39W, 0.03, h107km, 8km, n38, e155/63, 33C-6D, Dominican Republic region

Main table of station data for the first section, including stations like HATOM Hato Mayor del, SMDR Samana, SDD Santo Domingo, etc.

RSNC 28 22:02:34.0z.0.3, N1.7x7.6Wz, h0km, 3km, M3.6, mb4.3, mB5.5, ML3.2, Mw(mB)5.0

ISC 28 22:02:35.9z.2.9, 3.69N:76.35W, h0km, mb3.3/1, mbtmp3.7/3, ML2.8/2, Error ellipse: s-maj=81.4km s-min=20.0km az=157.0

ISC 28 22:02:32.2z.1.1, 3.02N:0.02:75.88W, 0.02, h83km, 9km, n36, e154/63, Colombia

Main table of station data for the second section, including stations like BETC Betania, JAMC Jamundi, GARC Garzon, etc.

OSPL 28 22:12:23.8z.1.5, 20.09N:70.65W, h0km, 15km, ML2.3

SDD 28 22:12:24.5z.2.5, 20.10N:70.68W, h18km, 60km, MD3.4, ML2.4, MW3.6

ISC 28 22:12:21.6z.1.1, 20.13N:0.04:70.62W, 0.09, h17km, 14km, n10, e58/17, 10C, Dominican Republic region

Main table of station data for the third section, including stations like MCDR Montecristi, SDDR Presa de Saban, etc.

ISC 28 22:33:48.7z.2.0, 3.32N:76.21W, h0km, mb3.3/1, mbtmp3.7/3, ML2.8/2, Error ellipse: s-maj=73.4km s-min=19.6km az=145.0

RSNC 28 22:33:49.4z.0.3, N1.7x7.6Wz, h0km, 3km, M3.5, mB5.2, ML3.2, Mw(mB)4.6

ISC 28 22:33:47.4z.1.1, 3.07N:0.02:75.91W, 0.02, h0km, 9km, n37, e152/65, Colombia

Main table of station data for the fourth section, including stations like BETC Betania, JAMC Jamundi, GARC Garzon, etc.

Table of station data for the fifth section, including stations like URMC Balboa, CAUCA, BBAC Bahia Malaga, etc.

RSNC 28 22:40:32.3z.0.0, 3.2N:7.6Wz, h0km, 3km, M3.2, mB5.5, ML3.0, Mw(mB)4.9, Colombia

Main table of station data for the sixth section, including stations like BETC Betania, JAMC Jamundi, GARC Garzon, etc.

KRSC 28 22:56:15.4z.1.8, 48.70N:156.56E, h21km, 28km, ML4.1

SKHL 28 22:56:15.4z.0.5, 48.70N:155.00E, h66km, 4km, mb4.7/5

MOS 28 22:56:18.7z.1.2, 49.08N:154.32E, h80km, mb4.1/3, Error ellipse: s-maj=24.7km s-min=5.4km az=68.4

NEIC 28 22:56:20.4z.1.2, 49.1N:0.2:154.7E, 0.3, h79km, 8km, mb4.2/40, Error ellipse: s-maj=34.7km s-min=12.3km az=134.0

ISC 28 22:56:20.6z.3.1, 49.22N:154.65E, h75km, 29km, mb3.3/8, mbtmp3.8/11, MS3.6/2, Error ellipse: s-maj=44.3km s-min=14.6km az=146.0

ISC 28 22:55:16.0z.0.6, 48.67N:0.09:155.07E, 0.09, h50km, n120, e1928/120, mb4.2/28, Kuril Islands

Main table of station data for the seventh section, including stations like SKR Severo-Kuril's, PAU Puzhetka, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRMR, PEAOB, PETK, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YKA, CMAR, J05D, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JCZ, JCC, NSBS, etc.

HEL 28 23:01:26.6:0.4,67:18N:20:66E,h0km,ML1.1,Suspected explosion

UPP 28 23:01:26.1:0.0,67:19N:20:66E,h0km,ML2.2,Unknown, Sweden

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DUNU, MASU, RATU, etc.

KRSC 28 23:32:49.8:1.6,54:34N:164:32E,h52km,36km,ML4.3

NEIC 28 23:32:50.8:1.2,54:33N:164:40E,0.1,h10km,2km, mb4.2/74, Error ellipse: s-maj=22.5km s-min=11.8km

MOS 28 23:32:52.0:0.7,54:35N:164:38E,h33km,mb4.4/4, Error ellipse: s-maj=7.2km s-min=6.1km az=101.1

ISC 28 23:32:51.7:0.6,54:36N:164:04E,0.04,h17km,n165, c137/198,mb4.1/50,MS3.0/6,Kamondorsky Islands region

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKI, KBTR, KRKR, etc.

29d 0h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

2019 JAN

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

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Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

29d Oh

body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

GCG 29 00:53:23.9,2.8, 16.74N,94.71W,h74km,68km,MD5.1,

ML5.1,MW4.6,Hypocentre not reviewed by the ISC

ISC 29 00:53:18.7,0.3, 16.58N,0.003,95.11W,0.03,h81km,2km,

h81km;pP,n781,c199/574,m4.9/99,14C-2D,Oaxaca

Table with columns: Code, Station Name, Delta Azimuth, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists stations like Matias Romero, Oaxaca, Vista Hermosa, etc.

2019 JAN

Main table with columns: Station Name, Magnitude, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists stations like El Cayaco, Flores, Demacu, etc.

Table with columns: Station Name, Magnitude, Phase ID, Time, Residual, ISC, h, m, s, ISC. Lists stations like LPIG, TREL, STGCO, etc.

29d 1h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station ID, and other parameters. Includes stations like Noodor Dome, Nuaqatsiaq, Christian River, etc.

2019 JAN

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station ID, and other parameters. Includes stations like VABM Dome, Tiguykavit M, Purcell Mountain, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station ID, and other parameters. Includes stations like Dimbokro, FETA, MOTA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station ID, and other parameters. Includes stations like Taragay, Przhival'sk, Katsay, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like KURS Kuram, TNSN Tian-Shan, MDOK Medeo, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like MAKZ Makanchi, MK31 Makanchi Array, MKAR Makanchi Array, etc.

DJA 29 01:16:28.9 U.0.7, 3 S.6, 14 0 E.1, h14 km ± 10 km, M4.2/6, mB6.7/1, MLV4.2/6, Mw(m)6.5/1, Irian Jaya

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like GENI Genyem, JAY Jayapura, SMP1 Sarmi, MMPI Merauke.

IDC 29 01:22:23.4 ± 1.4, 44°83'N, 115°75'E, h0 km, mb3.4/8, mbmp3.5/12, ML3.5/4, MS3.9/9, Error ellipse: s-maj=30.8km s-min=16.6km az=12.0

BUI 29 01:22:23.0, 44°68'N, 115°63'E, h10 km, mb4.2/2, mb3.8/11, ML4.4/16, Ms3.9/12, Ms7.3/8/10

ISC 29 01:22:24.5 ± 0.6, 44.707°N, 0.004°E, 115.73E ± 0.05, h10 km, n31, c2939/31, mb3.5/8, MS3.4/6, 1C, Northeastern China

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like XLT XiLinHaoTe, BJI Beijing, HHC Hu-ho-hao-te, BTO Baotou, SONM Songino Array, etc.

DL2 Dalian 7.27 141 Pn Pn 01 24 00.0 -11

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like DL2 Dalian, HNS HongShan, HEH Heihe, USRK Ussuriysk Ar., etc.

KSRs Korea Array 11.70 124 Pn Pn 01 25 12.8 +1.3

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like KLR Kuldur, LZH Lanzhou, LZH Lanzhou, etc.

LZH Lanzhou 12.48 231 eP Pn 01 25 29.0 +6.7

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like MJAR Matushiro Arr, ASAJ Asahikawa, WMQ Urumqi, etc.

NEIC 29 01:26:51.6 ± 1.0, 12.75S ± 0.07, 45.5E ± 0.1, h10 km, 1 km, mb4.5/10, Error ellipse: s-maj=26.3km s-min=7.2km

IDC 29 01:26:51.1 ± 0.9, 12°82'S ± 45°39'E, h0 km, mb3.9/6, mbmp3.9/8, ML4.3/3, MS2.8/1, Error ellipse: s-maj=29.3km s-min=23.1km az=111.0

ISC 29 01:26:51.0 ± 0.5, 12.83S ± 0.05, 45.43E ± 0.07, h10 km, n35, c2939/40, mb4.3/11, Northwest of Madagascar

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like SBV Sambava, OPO Ambohidratompo, etc.

OP OPO 5.49 163 Pn Pn 01 29 22.8 -5.0

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like OPO Ambohidratompo, FIRM Firavahana, etc.

LSZ Lusaka 16.91 260 Pn Pn 01 30 49.5 +1.5

LSZ 0.1nm, 0.3s, baz=206, slow=4.7, SNR=5.3

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like POGA Pongola, LBFB Lobatse, BOSA Boshof, etc.

SUR Sutherland 29.79 225 P P 01 32 59.1 +0.8

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like GAR Garm, KK31 Karatay Array, etc.

AKASG Malin Array Be 64.83 349 P Iamb Iamb 01 37 28.5 -1.0

SNAA Sanae 65.50 195 P P 01 37 36.4 +2.2

GERES GERESS Array B 67.52 338 P P 01 37 46.1 -1.3

MKAR Makanchi Array 67.92 326 P P 01 37 52.0 +2.1

BVAR Borovoye Array 69.00 16 P P 01 37 57.7 +1.2

KURBB Kurchatov Arra 69.49 22 P P 01 38 01.8 +2.3

PAB San Pablo 69.69 321 P Iamb Iamb 01 38 00.8 -0.4

ASAR Alice Springs 83.57 113 P P 01 39 21.9 +1.8

WVA Warrunganga Arr 84.70 109 P P 01 39 28.0 +2.2

PDAR Pinedale Array 143.15 329 PKP PKIPK 01 46 29.1 -0.1

IDC 29 01:52:33.7 ± 4.9, 12.79S ± 166°16'E, h77 km, 44 km, mb4.1/10, mbmp4.4/11, ML4.4/1, MS3.3/3, Error ellipse: s-maj=34.2km s-min=24.5km az=125.0

NEIC 29 01:52:34.8 ± 0.6, 12.77S ± 0.03, 166°16'E ± 0.2, h84 km, 11 km, mb4.6/20, Error ellipse: s-maj=24.5km s-min=3.7km

NOU 29 01:52:36.1, 12°89'S, 166°70'E, h95 km, mb4.5/19, Santa Cruz Islands

ISC 29 01:52:35.6 ± 0.8, 12.93S ± 0.07, 166°16'E ± 0.10, h100 km, n54, c099/42, mb4.5/17, Santa Cruz Islands

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like LUES Luesalamba Tem, DVP Devils Point, etc.

29d 3h

Table with columns: Code, Station Name, Az, Az', Time, Res. Includes stations like TKL Tuckaleechee C, H112 WAKE ISLAND Hy, H113 WAKE ISLAND Hy, etc.

BUI 29 03:42:19.6, 35°11'N, 141°34'E, h20km, mb5.2/51, mb5.2/84, Ms5.3/97, Ms7.5/295

ICD 29 03:42:20.9-0.4, 34°81'N, 140°97'E, h0km, mb5.0/30, mtbmp5.0/34, ML4.1/5, MS4.8/83, Error ellipse: s-maj=11.7km s-min=9.1km az=76.0

NEIC 29 03:42:22.8, 34°95'N, 141°39'E, h30km, Moment Tensor Solution. Duration: 158 Moment tensor: Scale 10^16Nm; Mn-0.88; Mw-0.55; Mw0.67; Mw-1.46; Mw-2.79; Mw1.74; Fault plane solution: M0:3.7000x10^16 NP1: 0.350, 99.000, 83.7, 34.000, -1.75, 41.000, NP2: 0.152, 86.000, 85.4, 06.000, -1.100, 88.000. Principal axes: T: 8.0498, Plg8.0000, Azm251.0000; N: -1.3628, Plg9.0000, Azm159.0000; P: -6.6871, Plg78.0000, Azm24.0000

NEIC 29 03:42:22.8, 34°95'N, 141°15'E, h30km, JMA 29 03:42:24.3, 0.2, 35.0N, 0.6-141°11'E, 0.9, h50km, 2km, MD5.2/38, MW5.3/39, OFF GOSO PENINSULA

JMA 29 03:42:24.3, 35°01'N, 141°12'E, h50km, MW5.3, Moment Tensor Solution. s3 Moment tensor: Scale 10^17Nm; Mn-0.88; Mw-0.01; Mw0.89; Mw0.11; Mw-0.14; Mw0.42; Fault plane solution: M0:1.0000x10^17 NP1: 0.341, 0.000, 83.4, 0.000, -1.107, 0.000, NP2: 0.181, 0.000, 85.8, 0.000, -1.79, 0.000

MOS 29 03:42:25.2, 0.9, 35.0N, 140°97'E, h36km, mb5.4/72, MS5.1/18 Error ellipse: s-maj=7.2km s-min=3.9km az=122.9

NEIC 29 03:42:26.7, 1.7, 34°96'N, 0.05:141°09'E, 0.08, h35km, 1km, mb5.3/43, MW5.2/28, Error ellipse: s-maj=11.6km s-min=8.3km az=104.0

GCMT 29 03:42:27.0, 2.35°00'N, 0°10'140°89'E, 0.01, h29km, MW5.2/125, Moment Tensor Solution. s89, c141; s125, c200; Duration: 150 Moment tensor: Scale 10^17 Nm; Mn-0.57±.02; Mw-0.18±.01; Mw0.74±.01; Mw0.12±.02; Mw-0.29±.01; Mw0.50±.02; Best double couple: M0:88800x10^17 NP1: 0.318, 0.000, 83.4, 0.000, -1.132, 0.000, NP2: 0.185, 0.000, 86.5, 0.000, -1.65, 0.000. Principal axes: T: 0.9670, Plg17.0000, Azm257.0000; N: -0.1570, Plg22.0000, Azm355.0000; P: -0.8090, Plg61.0000, Azm134.0000; nst1 refers to body waves, nst2 refers to surface waves, cutoff=50s. Triangular moment rate function

BGR 29 03:42:30.5, 35°70'N, 141°41'E, h33km, mb5.2, Ms5.0

ISC 29 03:42:26.4, 0.3, 34.94N, 0.03:141°11'E, 0.03, h38km, 1km, h39km; p-P, n1294, s180/1069, mb5.3/448, MS5.0/118, 53C-54D, Off east coast of Honshu

Main station list table with columns: Code, Station Name, Az, Az', Time, Res. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, BSO4 Boso 4, KTR Katsura, etc.

2019 JAN

Main station list table with columns: Code, Station Name, Az, Az', Time, Res. Includes stations like JOTO OTAMA OYAMA, JNY Yasuok, JFY Yanazu, HMMU Hamamatsu 2, JMST Minamisomatac, JUON Uonuma, MJAR Matsuiro Arr, etc.

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Main station list table with columns: Code, Station Name, Az, Az', Time, Res. Includes stations like UGL comp=N,3um,16.0s, UGL comp=N,2um,16.0s, CN2 Changchun, etc.

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YULB	Yu-li	20.73	242	P	P	03 47 03.6	-0.3
SSLB	Suanglung	20.75	243	P	P	03 47 01.8	-2.2
ZEA	Zeya	21.18	337	eP	P	03 47 07.7	-0.6
ZEA				e		03 51 03.9	
ZEA	comp=Z,200nm,1.6s				pmax		
ZEA	comp=N,90nm,0.9s				pmax		
ZEA	comp=E,40nm,0.7s				pmax		
ZEA	comp=Z,150nm,0.7s				MLR		
ZEA	comp=E,2um,16.0s				MLR		
ZEA	comp=Z,2um,15.0s				MLR		
XLT	XiLinHaoTe	21.24	302	eP	P	03 47 06.0	-3.2
XLT					PP	03 47 33.3	+3.9
XLT					S	03 51 05.8	+2.5
XLT	comp=Z,38nm,0.8s				pmax		
XLT	comp=Z,5um,18.3s				LR		
XLT	comp=Z,7um,20.1s				LR		
HNS	HongShan	21.43	284	UP	P	03 47 08.0	-3.2
HNS					PP	03 47 37.5	+1.2
HNS					S	03 51 09.8	+2.8
HNS					SS	03 51 44.0	+1.3
HNS	comp=Z,38nm,0.9s				pmax		
HNS	comp=Z,8um,18.9s				LR		
HNS	comp=Z,2um,20.7s				LR		
HNS	comp=Z,8um,14.3s				LR		
GUMO	Guam	21.53	170	P	P	03 47 08.9	-3.4
	comp=Z,55nm,0.3s,baz=27,slo=11,SNR=3.5						
PEA0B	Petropavlovsk-	21.64	28	P	P	03 47 11.2	-2.0
PEA0B					IAMB	03 47 21.7	
PEA0B	comp=Z,146nm,1.2s						
PETK	Petropavlovsk-	21.64	28	eP	P	03 47 12.3	-1.0
PETK					P	03 47 12.8	-0.5
PETK	comp=Z,23nm,1.2s,baz=233,slo=8.3,SNR=6.5				LR		
PETK	comp=Z,2um,21.5s,baz=223,slo=37				LR		
OZH	Quanzhou	21.86	249	eP	P	03 47 16.8	+0.9
OZH					S	03 51 17.5	+2.0
OZH	comp=Z,4um,18.9s				LR		
OZH	comp=Z,3um,19.2s				LR		
OZH	comp=Z,2um,16.5s				LR		
PET	Petropavlovsk	21.95	29	eP	P	03 47 17.7	+1.2
PET					S	03 51 09.8	-6.8
PET	comp=Z,700nm,8.9s				pmax		
PET	comp=Z,1um,19.0s				MLR		
PET	Petropavlovsk	21.95	29	P	P	03 47 15.0	-1.5
PET					P		
PET	comp=Z,84nm,1.7s						
WHN	Wuhan	22.90	267	UP	P	03 47 26.5	-0.4
WHN					PP	03 47 32.0	-4.3
WHN					S	03 47 36.8	-4.5
WHN					SS	03 51 29.8	-4.4
WHN	comp=Z,110nm,0.6s				pmax		
WHN	comp=Z,2um,11.3s				LR		
WHN	comp=Z,2um,11.3s				LR		
TIY	Taiyuan	23.23	285	eP	P	03 47 30.0	-0.3
TIY					S	03 51 40.5	+0.8
TIY	comp=Z,46nm,0.6s				pmax		
TIY	comp=Z,240nm,5.7s				pmax		
TIY	comp=Z,3um,16.1s				LR		
TIY	comp=Z,4um,17.8s				LR		
TIY	comp=Z,5um,17.1s				LR		
LYN	LuoYang	23.51	277	eP	P	03 47 30.3	-2.6
LYN					PP	03 47 34.5	-8.2
LYN					S	03 51 37.0	-7.1
LYN					SS	03 51 56.0	-2.9
LYN	comp=Z,22nm,0.8s				pmax		
LYN	comp=Z,410nm,8.3s				pmax		
LYN	comp=Z,3um,13.4s				LR		
LYN	comp=Z,14um,15.5s				LR		
LYN	comp=Z,18um,16.5s				LR		
HHC	Hu-ho-hao-te	23.98	293	eP	P	03 47 34.5	-3.0
HHC					PP	03 47 39.8	-7.9
HHC					S	03 51 48.5	-3.4
HHC					SS	03 52 37.5	+3.7
HHC	comp=Z,23nm,0.7s				pmax		
HHC	comp=Z,260nm,4.3s				pmax		
HHC	comp=Z,2um,14.9s				LR		
HHC	comp=Z,3um,14.9s				LR		
HHC	comp=Z,5um,14.9s				LR		
CNSH	ChangSha	24.89	262	P	P	03 47 42.5	-3.2
CNSH					S	03 52 03.3	-3.1
CNSH					PcS	03 54 54.3	-6.9
CNSH	comp=Z,17nm,0.8s				pmax		
CNSH	comp=Z,4um,16.3s				LR		
CNSH	comp=Z,7um,17.6s				LR		
CNSH	comp=Z,7um,17.1s				LR		
BTO	Baotou	25.14	292	eP	P	03 47 46.8	-1.2
BTO					PP	03 47 51.0	-7.2
BTO					SP	03 47 53.5	-1.0
BTO					PP	03 48 25.0	+2.3
BTO					S	03 52 13.0	+2.6
BTO					SS	03 52 18.0	-7.1
BTO					SS	03 53 11.3	+9.3
BTO	comp=Z,21nm,0.9s				pmax		
BTO	comp=Z,430nm,6.9s				pmax		
BTO	comp=Z,9um,16.5s				LR		
BTO	comp=Z,10um,17.7s				LR		
BTO	comp=Z,11um,20.0s				LR		
MA2	Magadan	25.45	11	P	P	03 47 49.7	-0.8
MA2					LR	03 59 52.5	
MA2	comp=Z,2um,18.4s,baz=204,slo=41						
MA2	Magadan	25.45	11	d/P	P	03 47 50.9	+0.4
MA2					pmax		
MA2	comp=Z,142nm,1.0s						
MA2	Magadan	25.45	11	P	P	03 47 50.1	-0.4
MA2					P		
MA2	comp=Z,1um,comp=Z,157nm,1.1s						
XAN	Xi'an	26.49	277	UP	P	03 47 58.3	-2.0
XAN					S	03 52 29.5	-2.3
XAN	comp=Z,48nm,1.0s				pmax		
XAN	comp=Z,480nm,6.5s				pmax		
XAN	comp=Z,7um,17.9s				LR		
XAN	comp=Z,7um,17.9s				LR		
XAN	comp=Z,7um,16.5s				LR		
XAN	comp=Z,11um,17.9s				LR		
ENH	Enshi	26.98	269	IAMB	IAMB	03 48 06.9	
ENH							
ENH	comp=Z,75nm,0.9s						
H1N12	WAKE ISLAND Hy 27.36 117			T	T	04 17 24.8	

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H1N11	WAKE ISLAND Hy 27.36 117			T	T	04 17 20.1	
H1N13	WAKE ISLAND Hy 27.37 117			T	T	04 17 16.9	
H1S3	WAKE ISLAND Hy 27.99 119			T	T	04 18 05.6	
H1S11	WAKE ISLAND Hy 27.99 119			T	T	04 18 06.9	
H1S12	WAKE ISLAND Hy 28.01 119			T	T	04 18 09.2	
YAK	Yakutsk	28.06	349	P	P	03 48 12.0	-2.0
YAK					LR	04 00 21.4	
YAK	comp=Z,1um,19.8s,baz=150,slo=38						
YAK	Yakutsk	28.06	349	eP	P	03 48 13.3	-0.7
YAK					ePPP	03 49 12.1	
YAK	comp=Z,97nm,1.1s				pmax		
YAK	comp=N,52nm,1.2s				pmax		
YAK	comp=E,14nm,1.1s				pmax		
YAK	comp=Z,37nm,1.0s				pmax		
YAK	comp=Z,1um,13.0s				MLR		
YAK	comp=N,745nm,12.0s				MLR		
YAK	comp=E,305nm,15.0s				MLR		
GULI	Guilin	28.18	258	P	P	03 48 16.0	+0.5
GULI					pmax		
GULI	comp=E,20nm,0.9s				LR		
GULI	comp=E,2um,16.6s				LR		
GULI	comp=E,3um,18.0s				LR		
GULI	comp=E,6um,17.0s				LR		
ULN	Ulanbaatar	28.38	308	P	P	03 48 16.8	-0.3
ULN					P	03 48 16.9	-0.3
ULN					S	03 53 00.7	-0.8
ULN					S	03 48 16.9	-0.3
ULN	comp=Z,10.0nm,0.8s				pmax		
SOMN	Songino Array	28.80	307	P	P	03 48 20.4	-0.5
SOMN					P	03 48 20.9	0.0
SOMN	comp=Z,12nm,0.7s,baz=113,slo=8.7,SNR=44				LR		
SOMN	comp=Z,4um,18.6s,baz=107,slo=38				LR		
SEY	Seymchan	28.89	11	LR	LR	04 00 15.2	
SEY							
SEY	comp=Z,3um,21.8s,baz=195,slo=37						
SEY	Seymchan	28.89	11	eP	P	03 48 22.2	+0.9
BOD	Bodaibo	29.19	330	eP	P	03 48 23.4	-0.7
BOD					pmax		
SHEM	Shemys Is. Ala	29.35	42	LR	LR	03 58 03.1	
LZH	Lanzhou	30.24	283	eP	P	03 48 32.0	-1.8
LZH					P	03 48 36.3	-7.6
LZH					PcP	03 51 35.8	+1.9
LZH					S	03 53 22.5	-8.5
LZH					SS	03 55 09.5	+2.8
LZH	comp=Z,18nm,1.5s				pmax		
LZH	comp=Z,3um,15.8s				LR		
LZH	comp=Z,4um,13.7s				LR		
LZH	comp=Z,6um,13.7s				LR		
GYA	Guiyang	30.68	264	UP	P	03 48 36.5	-1.3
GYA					PP	03 48 42.3	-5.4
GYA					S	03 53 37.0	-1.0
GYA	comp=Z,20nm,0.7s				pmax		
GYA	comp=Z,2um,16.9s				LR		
GYA	comp=Z,3um,16.7s				LR		
GYA	comp=Z,3um,16.7s				LR		
GYA	comp=Z,6um,15.8s				LR		
DAV	Davao City (W)	31.20	211	LR	LR	03 59 23.4	
ZAK	Zakamensk	31.42	311	eP	P	03 48 43.6	-0.4
ZAK					pmax		
CD2	Chengdu	31.49	273	P	P	03 48 43.3	-1.4
CD2					S	03 53 45.5	-4.9

H16K	Elim	44.84	31	P	P	03 50 38.5 +2.0
CHNA	Chernabura Isl	44.95	45	P	P	03 50 38.1 +0.6
CNBA	Chernabura Isl	44.95	45	P	P	03 50 37.0 -0.6
CNBA	Chernabura Isl			I Amb	I Amb	03 50 38.7
G16K	Koyuk River	44.98	30	P	P	03 50 39.2 +1.7
N15K	Kwethluk River	45.05	37	I Amb	I Amb	03 50 41.6
N15K	Kwethluk River	45.05	37	P	P	03 50 40.5 +2.2
MK31	Makanchi Array	45.05	304d	iP		03 50 38.3 -0.2
MK31	Makanchi Array			pmax	pmax	
MKAR	Makanchi Array	45.05	304	P	P	03 50 37.8 -0.7
MKAR	Makanchi Array	45.05	304	P	P	03 50 38.6 +0.1
MKAR	Makanchi Array			ScP	ScP	03 56 10.3 +1.9
MKAR	Makanchi Array			LR	LR	04 10 26.9
NR1K	Noril'sk	45.07	336	P	P	03 50 37.2 -1.0
NR1K	Noril'sk			I Amb	I Amb	03 50 57.3
NR1K	Noril'sk			P	P	03 50 38.1 -0.2
NR1K	Noril'sk			LR	LR	04 10 59.9
O15K	Ungalikthiuk R	45.08	39	P	P	03 50 40.6 +2.2
MAKZ	Makanchi	45.26	304	P	P	03 50 39.9 -0.3
MAKZ	Makanchi			I Amb	I Amb	03 50 44.3
MAKZ	Makanchi	45.26	304	P	P	03 50 39.9 -0.3
MAKZ	Makanchi			pmax	pmax	
MAKZ	Makanchi	45.26	304	P	P	03 50 40.2 +0.1
J16K	Anvik River	45.27	33	P	P	03 50 42.3 +2.4
D17K	Noatak River	45.32	26	P	P	03 50 42.2 +2.0
I17K	Unalakleet	45.34	32	P	P	03 50 42.9 +2.4
RDGQ	Red Dog Mine	45.49	26	P	P	03 50 42.0 +0.4
RDGQ	Red Dog Mine	45.49	26	P	P	03 50 43.6 +1.9
C17K	Delong Moutai	45.52	25	P	P	03 50 43.7 +1.8
L16K	Owhat River	45.54	35	I Amb	I Amb	03 50 45.2
L16K	Owhat River	45.54	35	P	P	03 50 44.1 +2.0
E17K	Hotnam Inlet	45.61	27	P	P	03 50 44.6 +2.0
CHGN	Chignik	45.65	43	P	P	03 50 44.8 +1.8
F17K	Baldwin Pennin	45.67	28	P	P	03 50 45.1 +2.1
G17K	Kiwialik Mouta	45.69	30	P	P	03 50 45.1 +1.8
M16K	Timber Creek	45.70	36	I Amb	I Amb	03 50 46.7
M16K	Timber Creek	45.70	36	P	P	03 50 45.4 +2.0
N16K	Nishiik Lake	45.73	37	P	P	03 50 45.9 +2.2
H17K	Granite Mouta	45.88	31	P	P	03 50 47.0 +2.3
J17K	VABM Dome	45.97	33	I Amb	I Amb	03 50 49.1
J17K	VABM Dome	45.97	33	P	P	03 50 47.1 +1.6
O16K	Kokwok River B	45.99	38	I Amb	I Amb	03 50 48.4
O16K	Kokwok River B	45.99	38	P	P	03 50 47.7 +2.0
P16K	Nushagak River	46.01	39	P	P	03 50 47.8 +2.1
L17K	Donlin	46.15	35	P	P	03 50 49.3 +2.4
E18K	Tukpahlearik C	46.17	27	P	P	03 50 48.9 +2.0
K17K	Iditarod	46.22	34	I Amb	I Amb	03 50 51.1
K17K	Iditarod	46.22	34	P	P	03 50 49.9 +2.4
B18K	Kokolik River	46.27	24	P	P	03 50 49.9 +2.2
C18K	Utukok River	46.27	25	P	P	03 50 49.0 +1.2
F18K	Selawik	46.33	28	P	P	03 50 50.0 +1.8
M17K	Holitna River	46.47	36	I Amb	I Amb	03 50 53.2
M17K	Holitna River	46.47	36	P	P	03 50 52.0 +2.5
O17K	Koliganek Bris	46.51	38	P	P	03 50 52.0 +2.2
N17K	Nushagak Hills	46.52	37	I Amb	I Amb	03 50 53.6
N17K	Nushagak Hills	46.52	37	P	P	03 50 52.1 +2.3
H18K	Honhosa River	46.57	30	I Amb	I Amb	03 50 53.2
H18K	Honhosa River	46.57	30	P	P	03 50 51.6 +1.4
G18K	Togahawik	46.58	29	I Amb	I Amb	03 50 53.2
G18K	Tagagawik	46.58	29	P	P	03 50 51.9 +1.7
O16K	King Salmon	46.68	39	P	P	03 50 52.9 +1.9
P17K	Kvichak River	46.81	39	P	P	03 50 53.8 +1.7
MMRI	Maumere	46.87	206	P	P	03 50 51.9 -1.1
L18K	Granite Mouta	46.91	35	I Amb	I Amb	03 50 56.7
L18K	Granite Mouta	46.91	35	P	P	03 50 54.4 +1.6
J18K	Innokov River	47.03	33	P	P	03 50 55.4 +1.6
KURK	Kurchatov	47.05	310	P	P	03 50 53.7 -0.5
KURK	Kurchatov	47.05	310	S	S	03 50 54.0 -0.1
KURK	Kurchatov	47.05	310	S	S	03 57 44.7 +1.5
KURK	Kurchatov	47.05	310	S	S	03 50 54.4 +0.3
KURK	Kurchatov	47.05	310	S	S	03 57 46.0 +2.7
KURK	Kurchatov	47.05	310	S	S	03 50 53.8 -0.3
KURK	Kurchatov	47.05	310	S	S	03 51 05.4 +1.0
KURK	Kurchatov	47.05	310	S	S	03 50 55.4 +1.1
F19K	Shaleruckik Mo	47.11	28	P	P	03 50 55.5 +1.2
KURBB	Kurchatov Arra	47.12	310	P	P	03 50 54.4 -0.3
KURBB	Kurchatov Arra			S	S	03 52nm,0.8s,baz=85,slow=8.1,SNR=280
KURBB	Kurchatov Arra			LR	LR	04 11 29.3
KURBB	Kurchatov Arra			LR	LR	04 11 29.3
KURBB	Kurchatov Arra			LR	LR	04 11 29.3
N18K	Kilae Creek	47.12	310	I Amb	I Amb	03 50 53.7 -0.9
N18K	Kilae Creek	47.12	310	P	P	03 50 58.7
N18K	Kilae Creek	47.12	310	P	P	03 50 57.3 +2.3
M18K	Stony River	47.25	36	P	P	03 50 57.3 +1.7
G19K	Purcell Mouta	47.26	29	P	P	03 50 56.6 +1.1
TTA	Tatalina	47.29	34	P	P	03 50 54.5 -1.4
TTA	Tatalina	47.29	34	P	P	03 50 57.5 +1.6
TTA	Tatalina	47.29	34	P	P	03 50 54.5 -1.4
TTA	Tatalina			pmax	pmax	
D19K	Kuna River	47.33	26	I Amb	I Amb	03 50 59.0
D19K	Kuna River	47.33	26	P	P	03 50 57.7 +1.6
ACHA	Angle Creek He	47.37	40	P	P	03 50 55.4 -1.1
ACHA	Angle Creek He			I Amb	I Amb	03 51 00.0
H19K	Roundabout Mou	47.42	30	I Amb	I Amb	03 50 60.0

H19K	Roundabout Mou	47.42	30	P	P	03 50 58.8 +2.0
E19K	Redstone River	47.44	27	I Amb	I Amb	03 50 59.9
E19K	Redstone River	47.44	27	P	P	03 50 58.7 +1.8
P18K	Big Mountain,	47.44	39	P	P	03 50 56.6 -0.5
P18K	Big Mountain,	47.44	39	P	P	03 50 58.6 +1.6
O18K	Koktuh Hills	47.47	38	P	P	03 50 57.6 +0.4
O18K	Koktuh Hills			I Amb	I Amb	03 51 01.8
O18K	Koktuh Hills	47.47	38	P	P	03 50 59.0 +1.7
J19K	Poorman	47.58	32	I Amb	I Amb	03 51 00.9
J19K	Poorman	47.58	32	P	P	03 50 59.7 +1.7
L19K	White Mountain	47.76	35	I Amb	I Amb	03 51 02.4
L19K	White Mountain	47.76	35	P	P	03 51 01.3 +1.9
R18K	Kariuk	47.83	41	P	P	03 51 00.6 +0.5
IPM	lph	47.86	240	P	P	03 50 58.7 -2.1
IPM	lph			I Amb	I Amb	03 51 00.8
N19K	Bonanza Creek	47.87	37	I Amb	I Amb	03 51 03.7
N19K	Bonanza Creek	47.87	37	P	P	03 51 02.2 +1.8
D20K	Etluvk River	47.91	26	P	P	03 51 02.3 +1.7
O19K	Port Aisworth	47.92	37	P	P	03 51 00.5 -0.2
O19K	Port Aisworth			I Amb	I Amb	03 51 03.5
O19K	Port Aisworth	47.92	37	P	P	03 51 02.9 +2.2
UZB	Uzynbulak	47.94	299	eP		03 51 01.1 -0.2
UZB	Uzynbulak			pmax	pmax	
UZB	Uzynbulak	47.94	299	eP		03 51 01.2 -0.2
E20K	Nigu River	47.98	26	P	P	03 51 02.5 +1.4
SII	Sitkinak Islan	48.00	42	P	P	03 51 02.7 +1.3
TDK	Taldyqorghan	48.00	302	eP		03 51 01.7 +0.1
TDK	Taldyqorghan			pmax	pmax	
TDK	Taldyqorghan	48.00	302	eP		03 51 01.8 +0.1
H20K	Anotleneega Mo	48.06	30	P	P	03 51 03.4 +1.6
KDU	Kakadu	48.07	191	P	P	03 51 02.3 +0.1
KPKS	Kokpek	48.11	300	eP		03 51 02.4 -0.2
KPKS	Kokpek			pmax	pmax	
KPKS	Kokpek	48.11	300	eP		03 51 02.5 -0.2
I20K	Naaghedene	48.15	31	I Amb	I Amb	03 51 22.9
I20K	Naaghedene	48.15	31	P	P	03 51 04.8 +2.4
K20K	Telida	48.20	33	I Amb	I Amb	03 51 06.4
K20K	Telida	48.20	33	P	P	03 51 05.2 +2.2
WUS	Wushi	48.23	297	P	P	03 51 04.2 +0.7
L20K	Farewell, AK	48.23	34	P	P	03 51 05.5 +2.3
J20K	Nowinta River	48.24	32	I Amb	I Amb	03 51 06.5
J20K	Nowinta River	48.24	32	P	P	03 51 05.0 +1.8
O19K	Cape Douglas,	48.25	39	P	P	03 51 02.3 -1.1
O19K	Cape Douglas,	48.25	39	P	P	03 51 04.5 +1.2
ZHN	Zhinishke	48.35	300	eP		03 51 04.3 -0.2
ZHN	Zhinishke			pmax	pmax	
ZHN	Zhinishke	48.35	300	eP		03 51 04.3 -0.2
SATY	Saty	48.40	299	eP		03 51 04.7 -0.1
SATY	Saty			pmax	pmax	
SATY	Saty	48.40	299	eP		03 51 04.7 -0.1
MTN	Manton Dam	48.45	193	P	P	03 51 03.8 -1.5
MTN	Manton Dam	48.45	193	P	P	03 51 05.4 +0.2
P19K	Oil Pt	48.46	38	P	P	03 51 04.1 -0.9
P19K	Oil Pt	48.46	38	P	P	03 51 06.4 +1.4
A21K	Barrow	48.48	22	P	P	03 51 06.2 +1.4
M20K	Styr River	48.56	35	P	P	03 51 07.9 +2.2
C21K	Knifeblade Rid	48.64	25	P	P	03 51 08.2 +2.0
COEN	Coen	48.66	177	P	P	03 51 08.1 +1.2
COEN	Coen	48.66	177	P	P	03 51 08.3 +1.4
G21K	Allakaket	48.74	29	I Amb	I Amb	03 51 10.1
G21K	Allakaket	48.74	29	P	P	03 51 08.8 +1.8
E21K	Killik River	48.82	26	I Amb	I Amb	03 51 10.2
E21K	Killik River	48.82	26	P	P	03 51 08.8 +1.3
KDAK	Kodiak Island	48.83	41	P	P	03 51 07.3 -0.4
KDAK	Kodiak Island	48.83	41	P	P	03 51 08.6 +0.8
KDAK	Kodiak Island			LR	LR	04 11 18.3
KDAK	Kodiak Island			P	P	03 51 08.9 +1.1
KDAK	Kodiak Island			pmax	pmax	
F21K	Alatna River	48.83	28	P	P	03 51 08.8 +1.1
Q20K	Shuyak Island	48.84	40	P	P	03 51 09.1 +0.8
SYI	Shuyak Island	48.91	40	P	P	03 51 07.5 -0.8
A22K	Sinclair Lake	48.93	23	P	P	03 51 10.0 +1.7
H21K	Melozitna Rive	48.94	30	I Amb	I Amb	03 51 11.8
H21K	Melozitna Rive	48.94	30	P	P	03 51 10.5 +1.9
SPCR	Spurr Chakacha	48.98	36	P	P	03 51 11.2 +2.2
CHUM	Lake Minchumin	49.02	33	P	P	03 51 11.7 +2.6
PPLA	Purkypille	49.03	34	P	P	03 51 11.8 +2.4
CAST	Castle Rocks	49.10	33	P	P	03 51 09.9 +0.1
CAST	Castle Rocks	49.10	33	P	P	03 51 11.6 +1.8
TWSI	Taliwang, Sumb	49.11	212	P	P	03 51 09.0 -1.4
STLK	Strandline Lak	49.17	36	P	P	03 51 11.6 +1.2
I21K	Tanana	49.24	31	I Amb	I Amb	03 51 14.5
I21K	Tanana	49.24	31	P	P	03 51 13.1 +2.3
HOM	Homer	49.27	38	P	P	03 51 12.9 +1.8
B22K	Teshkepuk Lake	49.31	24	I Amb	I Amb	03 51 14.2
B22K	Teshkepuk Lake	49.31	24	P	P	03 51 12.8 +1.5
SKT	Skwentna	49.32	35	P	P	03 51 12.6 +1.1
SKT	Skwentna	49.32	35	P	P	03 51 12.9 +1.0
MDOK	Medeo	49.34	300	eP		03 51 12.0 -0.1
MDOK	Medeo	49.34	300	eP		03 51 12.1 -0.1
D22K	Aiyikav River	49.35	26	I Amb	I Amb	03 51 14.9
D22K	Aiyikav River	49.35	26	P	P	03 51 13.4 +1.8

AAA	Alma-Ata	49.43	300	eP		03 51 12.5 -0.1
AAA	Alma-Ata					

1699

Table with station names (ELIS, W35A, CBKS, WMOK, WMOK) and their coordinates and phases.

Station coordinates and phase information for various stations like IDC 29 04:27:50.9, 7.0, 13.84N:39.70E, etc.

Main table for station 1699 with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

Station coordinates and phase information for stations like SOME 29 04:38:07.7, 4.07'07N:75.07E, etc.

Main table for station 1699, continuing with station names like SFK, SALK, OHH, etc.

2019 JAN

Main table for station 2019 JAN with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

Station coordinates and phase information for stations like KRN29 05:03:50.6, 1.34'59N:45.19E, etc.

Main table for station 2019 JAN, continuing with station names like KGS1, GILG, IKRK, etc.

Main table for station 29d 5h with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

Station coordinates and phase information for stations like NAO 29 05:17:58.7, 31.71'N:47.39'E, etc.

Main table for station 29d 5h, continuing with station names like GLG1, IKRK, IKRK, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KLU Klutina, E25K Arctic Village, BMAR Burmt Mountain, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WBSI Waikabubak, WSI Waingapu, BASI Baing, etc.

IDC 29 05:29:53.9, 1.9, 34.51N; 45.15E, h0km, mb3.9/8, m1btp3.8/12, ML3.0/4, Error ellipse: s-maj=39.5km s-min=20.8km az=166.0

AFAD 29 05:29:54.3, 34.42N; 44.74E, h7km, 3km, MW3.7

ISN 29 05:29:55.5, 1.4, 34.61N; 45.15E, h14km, 28km, ML3.5

TEH 29 05:29:55.9, 34.58N; 45.14E, h12km, 18km

ISC 29 05:29:56.0, 7.3, 34.55N; 0.003; 45.07E; 0.04, h10km, n37, c=211/44, mb3.9/8, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KGS1 Ghasr-e-Shirin, GLG1 Gilan-e-Gharb, IKRK Kirkuk, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BELG Belogoroye, AKTO Aktyubinsk, AKASG Malin Array B, etc.

IDC 29 05:33:51.8, 3.8, 39.66N; 69.84E, h0km, mb3.6/3, m1btp3.7/5, ML3.5/2, Error ellipse: s-maj=88.4km s-min=18.5km az=158.0

KRNET 29 05:33:55.6, 0.1, 39.85N; 69.67E, h21km, mb3.8

SOME 29 05:34:02.3, 2.4, 40.17N; 70.52E, h0km, mb4.2, mpv4.0, Error ellipse: s-maj=19.2km s-min=10.5km az=27.0

ISC 29 05:33:55.9, 1.3, 39.75N; 0.03; 69.75E; 0.04, h17km, 9km, n51, c=224/81, mb3.4/3, 23C-18D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GAR Garm, BTK Batken, BTK Chuyangaron, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHGR Karamyk, DRK Drek, TRKS Terek-Say, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARK Arkit, ARK Sufi-Kurgan, BRLS Borolday, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARK Karatay Array, ARK Manas, AML Almayashu, etc.

ISN 29 05:36:00.6, 0.8, 34.57N; 45.07E, h18km, 19km, ML2.8

TEH 29 05:36:00.4, 34.58N; 45.07E, h16km, 283km

ISC 29 05:36:01.0, 1.1, 34.60N; 0.06; 45.07E; 0.05, h10km, n8, c=067/12, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KGS1 Ghasr-e-Shirin, GLG1 Gilan-e-Gharb, IKRK Kirkuk, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRBS Karabastau, MTBS Matube, MTBS Malin Array B, etc.

ISN 29 05:36:00.6, 0.8, 34.57N; 45.07E, h18km, 19km, ML2.8

TEH 29 05:36:00.4, 34.58N; 45.07E, h16km, 283km

ISC 29 05:36:01.0, 1.1, 34.60N; 0.06; 45.07E; 0.05, h10km, n8, c=067/12, Iran-Iraq border region

ISC 29 05:36:01.4, 1.3, 39.90N; 70.65E, h5km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BTK Batken, GAR Garm, DRK Karamyk, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDHR Ilam Banvizeh, BHD Baghdad, BDR Badra, etc.

TEH 29 05:37:59.9, 34.67N; 45.00E, h19km

ISN 29 05:38:03.3, 1.0, 34.60N; 44.91E, h25km, ML2.8

ISC 29 05:38:01.4, 1.3, 34.61N; 0.1; 45.03E; 0.10, h10km, n5, c=1501/7, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KGS1 Ghasr-e-Shirin, GLG1 Gilan-e-Gharb, IKRK Kirkuk, etc.

SJA 29 05:38:19.0, 0.8, 30.08S; 71.35W, h57km, 6km, ML2.4, MW2.6

GUC 29 05:38:20.4, 0.7, 30.10S; 71.30W, h65km, 2km, ML2.5

ISC 29 05:38:20.7, 1.4, 30.00S; 0.003; 71.38W; 0.06, h53km, 9km, n21, c=199/37, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CO05 La Serena, CO05 Tololo Observa, CO04 Tololo Observa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LCO Las Campanas, AROD Rodeo, AC04 Llanos de Chal, etc.

IDC 29 05:39:54.7, 6.2, 21.64S; 174.89W, h127km, 49km, mb3.6/3, m1btp4.0/4, MS3.7/3, Error ellipse: s-maj=53.0km s-min=45.0km az=51.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSVF Nonsavu, MSVF Alice Springs, WRA Warramunga Arr, GSPA South Pole Qui, LEM Lembang, NEW Newport, etc.

IDC 29 05:40:03.8, 3.1, 39.65N; 69.81E, h0km, mb4.1/2, m1btp3.6/8, ML3.0/4, Error ellipse: s-maj=55.9km

KRNET 29 05:40:05.0, 0.1, 39.83N; 69.58E, h15km, mb3.6

SOME 29 05:40:07.3, 39.90N; 70.65E, h5km

NINC 29 05:40:08.4, 1.8, 39.91N; 69.59E, h15km, 7km, mb3.9, mpv3.5, Error ellipse: s-maj=12.8km s-min=7.5km az=2.0

ISC 29 05:40:07.5, 1.4, 39.84N; 0.04; 69.77E; 0.04, h9km, 10km, n44, c=256/74, 34C-14D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BTK Batken, GAR Garm, DRK Karamyk, etc.

IDC 29 05:40:03.8, 3.1, 39.65N; 69.81E, h0km, mb4.1/2, m1btp3.6/8, ML3.0/4, Error ellipse: s-maj=55.9km

KRNET 29 05:40:05.0, 0.1, 39.83N; 69.58E, h15km, mb3.6

SOME 29 05:40:07.3, 39.90N; 70.65E, h5km

NINC 29 05:40:08.4, 1.8, 39.91N; 69.59E, h15km, 7km, mb3.9, mpv3.5, Error ellipse: s-maj=12.8km s-min=7.5km az=2.0

ISC 29 05:40:07.5, 1.4, 39.84N; 0.04; 69.77E; 0.04, h9km, 10km, n44, c=256/74, 34C-14D, Tajikistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BTK Batken, GAR Garm, DRK Karamyk, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KGS1 Ghahr-e-Shirin, GLG1 Gilan-e-Gharb, IKRK Kirkuk.

ISN 29 06:37:27.21.1.3, 34°48'N-44°09'E, h25km, ML2.7
TEH 29 06:37:28.4.34.49N-44°09'E, h13km, 71km
ISC 29 06:37:28.7.1.8, 34°5N-01°44.8E-0.1, h10km, n6, r139/9,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KGS1 Ghahr-e-Shirin, IKRK Kirkuk, GLG1 Gilan-e-Gharb.

IDC 29 06:48:45.5-1.8, 13°47'N-91°8'W, h0km, mb4.1/8,
mbmp4.0/10, ML4.0/2, MS3.5, Error ellipse:
s-maj=45.0km s-min=23.1km az=34.0
SNET 29 06:48:46.3-1.0, 13°12'N-92°06'W, h20km, ML3.8
MEX 29 06:48:46.0-0.7, 13°10'N-92°16'W, h42km, 139km, MD4.4
GCG 29 06:48:50.6-2.3, 13°35'N-91°8'W, h38km, 99km, MD4.8
MW3.5, Hypocentre not reviewed by the ISC
NEIC 29 06:48:54.1-2.9, 13°48'N-0°06-91°81W-0.07, h54km, 9km,
mb4.5/107, ML4.4/56(MEX), Error ellipse: s-maj=13.2km
s-min=1.9km az=51.0
CATAC 29 06:48:59.0-4.0, 13°10'N-91°1W-3.2, h0km, M3.6/12,
MLV3.6/12, Error ellipse: s-maj=68.4km s-min=20.1km
az=96.3, confirmed
ISC 29 06:48:48.8-2.3, 13°25'N-0°07-91°99W-0.05, h25km, n16km,
n176, r191/157, mb4.5/53, MS3.6/4, 8C-6D, NR=6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RTAL Retalhuleu, SOKI Kika Raxquin, THIG Union Juarez.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NUBE Las Nubes, LOAL Lomas de Alarc, SLOZ Alcaaldia de Sa.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAYA Jayaque - fnc, CEDA San Andres, LALI Alcaaldia de Sa.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMON Piamonte, UCVB Coban, UVEES Universidad Ev.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UESV Universidad de, SCLA Alcaaldia de Sa, PQSS Presa 15 de Se.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PACA Pacayal, TGIG Tegucigalpa, UNLV Unlv.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NEUV Arroyo Zacate, OXIG Oaxaca, VHO Vista Hermosa.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FTIG Fresnillo de T, MGIG Malinaltepec, MGIC Malinaltepec.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLIG Platanillo, PLIG Platanillo, PLEN Puentecito Nin.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TXAR Lajas Array, TX31 Lajas Ar, OZNA Ozone.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like 152A Waverly Hall, FW03 Perrin-Whitt E, ABTX Abilene, Wm.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UALR University of, POST Post, X48A Hartselle.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Y52A Liburn, DKNS Dickens, FNO Franklin.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SWET Sewanee, LCAR Lake Charles, MXTX Muleshoe.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like W52A Murphy, WK02 Liberty Lake, WVT Waverly.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Q54A Coxs Mills, MVCO Mesa Verde, PDAR Piedale Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NVAR Natchez Array, TPAW Teton Pass, ULM Lac du Bonnet.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSO Missoula, F10A Beach Ranch E, H04A Detroit Lake.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SCHQ Schrefferville, YKA Yellowknife Ar, SFJD Kaggsussauk.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAGM Ragged Mountai, INK Inuvik, E29M Blow River.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like F28M Old Crow, E28M Babine River, E27K Coleen River.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, C27K Jago River, D25K Kavik River.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like F21K Alatna River, C23K Htkilik River, EKA Eskdalemuir Ar.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ESDC Sonesauk, WRA Warramunga Arr, CMAR Chiang Mai Ar.

NNC 29 06:55:39.0-8.5, 1°51'N-74°38'E, h16km, 9km, mb3.3,
mpv2.9, Error ellipse: s-maj=10.9km s-min=4.5km az=34.0,
Suspected Mining explosion.
SOME 29 06:56:01.9, 51°83'N-73°82'E, h5km
IDC 29 06:56:03.1-1.0, 51°82'N-74°33'E, h0km, mbmp2.7/4,
ML2.1/3, Error ellipse: s-maj=36.7km s-min=9.0km
az=27.0
ISC 29 06:56:00.3-1.0, 51°75'N-0°07-74°32E-0.05, h0km, n14,
r2816/13, 6C-6D, Central Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRZS Berezinski, BVA0 Borovoye Array.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BVA0 Borovoye Array, BVAR Borovoye Array, BRVK Borovoye.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURBB Kurchatov Arra, KURBK Kurchatov Arra, KURK Kurchatov.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OTUK Ortayau, I46RU Zalesovo INFRA, ZALV Zalesovo Beam.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MAKZ Makanchi, MAK31 Makanchi Array, MKAR Makanchi Array.

TEH 29 07:02:41.2.0.9, 34°59'N-45°21'E, h8km, 48km
ISN 29 07:02:42.1.0.9, 34°59'N-45°16'E, h17km, 21km, ML2.9
ISC 29 07:02:42.2.1.0, 34°61'N-0°05-45°19E-0.04, h10km, n11,
r134/15, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KGS1 Ghahr-e-Shirin, GLG1 Gilan-e-Gharb, IDHR Dehrash.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GLG1, IDHR, IKRK, etc.

RSNC 29 07:17.14.5:0.0,6N:1°77'W±, h9km±2km, M3.0, mb3.9, ML2.7, Colombia

Main table for RSNC 29 07:17.14.5:0.0,6N:1°77'W±, h9km±2km, M3.0, mb3.9, ML2.7, Colombia. Lists stations and their data.

ISN 29 07:23.28.0:6.34,56N±45°14'E, h15km±13km, ML2.6

Table for ISN 29 07:23.28.0:6.34,56N±45°14'E, h15km±13km, ML2.6. Lists stations and their data.

JMA 29 07:31.34.6:0.4,32°N±13°9'E±, h348km, MV3.6/24, NEAR TORISHIMA IS

NEAR TORISHIMA IS. Tensor Solution. s3 Moment tensor: Scale 10^15Nm; Mw=0.45; Ms=1.07; Mw-0.63; Ms-0.84; Mw-1.73; Fault plane solution: M2±2, 16000x10^15 Np1; q=33.0000°, β=62.0000°, λ=30.0000°. NP2: φ=78.0000°, δ=64.0000°, λ=149.0000°.

ISC 29 07:31.38.2:1.4,32°08'N:138°60'E, h316km, 13km, mb3.4/10, mbtmp4.0, 1/15 Error ellipse: s-maj=23.7km s-min=11.6km az=75.0

Table for ISC 29 07:31.38.2:1.4,32°08'N:138°60'E, h316km, 13km, mb3.4/10, mbtmp4.0, 1/15 Error ellipse: s-maj=23.7km s-min=11.6km az=75.0. Lists stations and their data.

Table for 2019 JAN. Lists stations like CBJ, JNU, IKRK, etc. and their data.

RSNC 29 07:33.18.6:3.5, 11°N:12°6'W±2°9', h124km±28km, M3.6, mb4.9, mb4.4, ML3.4, Mw(mb)4.2

RSNC 29 07:33.18.6:3.5, 11°N:12°6'W±2°9', h124km±28km, M3.6, mb4.9, mb4.4, ML3.4, Mw(mb)4.2. IDC 29 07:33.21.3:1.0, 10°41'N:68.09W, h0km, mb3.6/5, mbtmp4.0/9, ML3.6/4, MS3.0/2, Error ellipse: s-maj=21.7km s-min=12.6km az=162.0

NEIC 29 07:33.23.3:1.1, 10°27'N:0°04:67.95W:0°08, h19km±5km, az=88.0, Error ellipse: s-maj=10.9km s-min=5.8km

FUNV 29 07:33.23.2:10°29'N:68°12'W, h16km, MW4.0

ISC 29 07:33.23.5:1.3, 10°35'N:0°04:68.03W:0°04, h26km±11km, n79, c245/91, mb3.6/4, Near coast of Venezuela

Table for FUNV 29 07:33.23.2:10°29'N:68°12'W, h16km, MW4.0. Lists stations and their data.

RSNC 29 07:33.56.3:0.0,7°N±2°7'W±, h145km±4km, M2.0, ML2.0, Northern Colombia

Table for RSNC 29 07:33.56.3:0.0,7°N±2°7'W±, h145km±4km, M2.0, ML2.0, Northern Colombia. Lists stations and their data.

Table for 29d 7h. Lists stations like CHIC, HUMP, AOPR, etc. and their data.

ASRS 29 07:33.29.0:1.3, 53°99'N:86°55'E, h0km, M2.3, The earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p + CD-ROM, 2021.

IDC 29 07:33.41.2:4.9, 53°96'N:86°56'E, h0km, mbtmp2.7/km, az=55.0, Southwestern Siberia

Table for IDC 29 07:33.41.2:4.9, 53°96'N:86°56'E, h0km, mbtmp2.7/km, az=55.0, Southwestern Siberia. Lists stations and their data.

RSNC 29 07:33.56.3:0.0,7°N±2°7'W±, h145km±4km, M2.0, ML2.0, Northern Colombia

Table for RSNC 29 07:33.56.3:0.0,7°N±2°7'W±, h145km±4km, M2.0, ML2.0, Northern Colombia. Lists stations and their data.

IDC 29 07:38.23.3:1.2, 1°57'N:97°36'E, h0km, mb4.1/10, mbtmp4.1/11, ML4.1/11, MS2.7/11, Error ellipse: s-maj=36.6km s-min=18.8km az=50.0

DJA 29 07:38.30.7:0.6, 2°N±3°9'E±, h33km±11km, M3.9/11, ML3.9/11

NEIC 29 07:38.32.3:2.1, 1°70'N:0°03:97.72E:0°09, h55km±9km, mb4.3/11, Error ellipse: s-maj=12.7km s-min=4.0km az=85.0

ISC 29 07:38.29.7:0.6, 1°82'N:0°04:97.58E:0°04, h33km±m42, c1941/38, mb4.2/17, Northern Sumatera

Table for ISC 29 07:38.29.7:0.6, 1°82'N:0°04:97.58E:0°04, h33km±m42, c1941/38, mb4.2/17, Northern Sumatera. Lists stations and their data.

0.2nm,0.5s,baz=127,slow=7.8,SNR=2.6
0.2nm,0.5s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TEH, KGS1, GLG1, IKRK, etc.

IDC 29 09:07:58.5:7.8,21.18N:144.29E,h293km,84km,mb3/4,
mbmp4,1/9,Error ellipse: s-maj=92.4km s-min=23.1km
az=80.0

ISC 29 09:07:59.8:3.0,21.1N:02.144:0E:0.7,h300km,n9,
o:654/9,mb3,7/9,Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KRSR, KLR, SONM, WRA, ZALV, MKAR, KURBB, AAK, BVAR, etc.

ASRS 29 09:10:30.0:0.0,7.54:04N:86.53E,h0km,M2.5,The
earthquakes of Russia in 2019. Obninsk, GS RAS, 214 p +
CD-ROM, 2021.

NNC 29 09:10:31.2:1.7,54:00N:86.66E,h0km,mb2.6,mpv2.5,
Error ellipse: s-maj=18.5km s-min=8.1km az=14.0,
Suspected Mining explosion.

IDC 29 09:10:33.4:2.4,54:03N:86.51E,h0km,mbmp3,1/2,
ML2,9/2,Error ellipse: s-maj=19.6km s-min=11.5km
az=62.0

ISC 29 09:10:31.5:4.3,54:2N:02.864E:0.2,h0km,n7,o:128/10,
4C-3D,Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like I46RU, ZAAO, ZAAZ, ZALV, KURBB, MK31, MKAR, etc.

NEIC 29 09:21:15.5:2.0,38.71N:0.01:105:26W:0.03,h5km,1km,
ML1.3/22,Error ellipse: s-maj=4.6km s-min=2.2km
az=273.0,Colorado

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Q24A, Q24A, Q24A, etc.

IDC 29 09:36:56.0:1.5,14:82S:167.44E,h113km,11km,
mb4.3/23,mbmp4,7/25,MS3,5/14,Error ellipse:
s-maj=14.6km s-min=10.8km az=89.0

NOU 29 09:36:57.4:14.76S:167.39E,h117km,mb5.0/53,
Vanuatu Islands

GCMT 29 09:36:57.3:0.4,14:82S:0.03:167:24E:0.03,h126km,4km,
MW4,9/72,Moment Tensor Solution. s22,c23: s72,c91;
Duration: 0 Moment tensor: Scale 10^16Nm; Mr1:5.3t;11;
Mw:1.03t;15; Mw:2.56t;13; Mw:1.21t;09; Mw:0.07t;15;
Mo:0.17t;10; Best double couple: Mo2.54400x10^16
NP1:3027.00000; s59.00000; 1.138.00000; Principal axes:
T 2.5210, P1g51.0000; Azm117.0000; N 0.0460,
Plg39.0000; Azm2.0000; P -2.5670, Plg2.0000;
Azm270.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

NEIC 29 09:36:58.3:1.1,14:8S:0.1:167:4E:0.1,h126km,6km,
mb4.8/60,Error ellipse: s-maj=16.5km s-min=14.5km

az=68.0
ISC 29 09:36:58.0:0.3,14:82S:0.05:167:39E:0.06,h129km,
n217,o:190/213,mb4.7/61,6C-3D,Vanuatu Islands

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DVP, KOUN, HUHO, YATNC, DZM, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MJAR, MAJU, VVDA, VVDA, SBA, CANY, etc.

29d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for YATNC Mamie plateau, DZM Mont Dzumac, DZM 137m,0.4s, etc.

HEL 29 10:28:24.8±0.6, 1.03N:29.98E, h0km, ML1.9, Suspected explosion
IDC 29 10:28:27.5±2.3, 6.1°01'N:29.71E, h0km, mbtmp3.4/3, ML1.9/3, Error ellipse: s-maj=20.6km s-min=11.7km az=164.0

ISC 29 10:28:24.4±1.2, 6.114N:0.05:29.82E:0.05, h0km, n26, +172/33, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for RUF Ruokolahiti, VJF Virojoki, FINES FINESS Array B, etc.

IDC 29 10:31:06.3±1.5, 11.18N:124.44E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=74.7km s-min=27.7km az=75.0, Leyte

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for USRK Ussuriysk Ar, ASAR Alice Springs, MKAR Makanchi Array, etc.

IDC 29 10:33:00.5±1.8, 4.77S:145.22E, h177km, 18km, mb3.2/2, mbtmp3.8/5, Error ellipse: s-maj=29.9km s-min=12.2km az=55.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entry for PMG Port Moresby.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for PMG 14nm,0.4s, JAY Jayapura, WRA Warramunga Arr, etc.

NEIC 29 10:45:26.4±1.1, 61.51N:0.01:150.24W:0.05, h47km, 6km, Error ellipse: s-maj=3.5km s-min=1.1km az=63.0
AEIC 29 10:45:26.9±0.9, 61.49N:0.03:150.19W:0.05, h49km, 5km, ML2.7, ML2.8/146(NEIC), Error ellipse: s-maj=4.1km s-min=3.6km az=174.0, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for M22K Willow, FIS Fire Island, RC01 Rabbit Creek A, etc.

1710

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for HIN Hinchinbrook I, HIN comp=E,88nm,1.4s, CAST Castle Rocks, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like YHNB, NNS, TATO, etc.

SJA 29 12:05:04.0, 0.5, 2.22:00S:67:25W, h178km, 6km, ML2.6, MW2.9

SCB 29 12:05:04.9, 1.1, 2.22:00S:67:25W, h165km, 16km, ML2.8/2, MW2.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like AF01, YJA, YJA, etc.

SJA 29 12:13:44.0, 4.0, 7.20:48S:69:25W, h100km, 4km, ML3.4, MW3.7

GUC 29 12:13:46.2, 1.7, 20:47S:69:31W, h93km, 4km, ML3.1

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like PB08, PB08, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like PATCX, PATCX, etc.

PRES 29 12:28:21.1, 0.20:99S:32:76E, h5km, ML2.5

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like PILG, PILG, etc.

NNC 29 12:30:15.7, 0.4, 51:17N:72:93E, h5km, 3km, mb4.2, mpv4.0

SOME 29 12:30:15.6, 51:15N:73:52E, h15km, MS3.8

ISC 29 12:30:18.3, 0.5, 51:18N:0:03, h10km, n63, c39:10:52, mb3.5, 150-14D Central Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like BRZS, BRZS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, etc. Includes stations like CHKK, CHKK, etc.

29d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMBO Kilima Mbogo, ILAR Eielson Array, YKA Yellowknife Arr.

NEIC 29 12:32:22.2±1.1, 31°33'N, 0°02'103.49W, 0.02, h5km±5km, mb_Lg2.6/24, ML2.5/56, Error ellipse: s-maj=3.2km s-min=1.5km az=137.0, Western Texas

Main table for 29d 12h section, listing stations like PECS, MNHN, ALPN, ODSA, VHRN, etc. with their respective parameters.

AEIC 29 12:40:52.8±1.1, 53°84'N, 0°01'163.49W, 0.07, h25km±7km, Error ellipse: s-maj=5.7km s-min=1.6km az=78.0

NEIC 29 12:40:52.0±0.9, 53.87N, 0.04±163.51W, 0.09, h16(KM)±10km, ML2.5/8, ML2.5/AEIC, Error ellipse: s-maj=9.2km s-min=2.7km az=127.0, Unimak Island region

Table for NEIC 29 12:40:52.0±0.9, listing stations like ISLZ, WESA, SSSL, etc. with their parameters.

IDC 29 12:48:15.8±0.8, 24°20'N, 141°49'E, h172km±6km, mb3.7/17, mbtmp4.2/21, MS2.7/1, Error ellipse: s-maj=14.5km s-min=9.3km az=85.0

JMA 29 12:48:19.0±0.3, 25°12'N, 141°14'E, h162km, MV5.6/27, IOTO ISLANDS REGION

ISC 29 12:48:13.2±0.5, 24°11'N, 0°06'141.5E, 0.1, h100km, n42, c±209/56, mb4.1/8, Volcano Islands region

Table for ISC 29 12:48:13.2±0.5, listing stations like JHH2, JCHJ, CBJJ, etc. with their parameters.

Table for JOW, JAG, MJAR, etc. with their parameters.

2019 JAN

Main table for 2019 JAN section, listing stations like KLR, SONM, CMAR, WRA, FITZ, ASAR, etc. with their parameters.

ATH 29 12:49:55.9, 37°13'N, 20°59'E, h11km±2km, ML3.5/2, Error ellipse: s-maj=4.7km s-min=1.8km az=54.0

THE 29 12:49:56.5, 37°17'N, 20°63'E, h2km, ML3.5/9, Error ellipse: s-maj=0.9km s-min=0.4km az=36.0

ISC 29 12:49:56.1±2.4, 37°16'N, 0°08'20.63E, 0.07, h7km±13km, n29, c±95/43, Ionian Sea

Table for ISC 29 12:49:56.1±2.4, listing stations like LTHK, LTHK, LTHK, etc. with their parameters.

UPP 29 12:52:45.7±2.5, 64°60'N, 31°08'E, h0km, ML1.9, HEL 29 12:52:47.0±2.6, 64°78'N, 30°74'E, h0km, ML2.1, Suspected explosion

1714

ISC 29 12:52:48.4±1.0, 64°83'N, 0°03'30.76E, 0.04, h0km, n55, c±157/83, Finland-Karelia border region

Main table for 1714 section, listing stations like RMF, KU1, KU6, MSF, etc. with their parameters.

MOS 29 12:53:43.9±1.1, 51°54'N, 16°10'E, h1km, mb5.0/34, Error ellipse: s-maj=5.3km s-min=3.3km az=95.8

IPEC 29 12:53:43.7±0.2, 51°56'N, 16°18'E, h1km, ML4.7/6, Error ellipse: s-maj=1.4km s-min=1.0km az=38.0, Mining induced.

IDC 29 12:53:44.6±0.4, 51°49'N, 16°06'E, h0km, mb4.4/22, mbtmp4.3/35, ML3.9/13, MS3.3/4, Error ellipse: s-maj=7.8km s-min=5.8km az=88.0

MCSM 29 12:53:44.8±0.6, 52°12'N, 16°17'E, h7km±4km, mb4.7, mb4.7, ML5.6/5, h0km, mb4.0, Error ellipse: s-maj=8.9km s-min=2.8km az=199.0

NAO 29 12:53:44.3±0.1, 51°58'N, 16°10'E, h10km, mb3.7, BGR 29 12:53:45.3±0.2, 51°48'N, 16°16'E, h1km, ML4.7/31, Error ellipse: s-maj=3.3km s-min=2.2km az=20.0

BUG 29 12:53:45.4±0.1, 51°45'N, 16°08'E, h0km±4km, ML5.3/13, DNK 29 12:53:45.2±0.1, 51°49'N, 16°26'E, h0km±6km, ML3.2, VIE 29 12:53:46.3±0.1, 51°40'N, 16°04'E, h0km, mb4.0/23, m4.3/18, ms4.9/4, Error ellipse: s-maj=5.9km s-min=2.9km az=52.0, Suspected Mining induced.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like KSP Ksiaz, CHVC Chvalec, OSTC Ostas, etc.

Table with columns: VRAC, LR, and various station identifiers. Includes stations like VRAC Vranov, VRAC Vranov, MAUC Maruska, etc.

Table with columns: comp, LR, and various station identifiers. Includes stations like UBBA Unterbreizbach, UBBA Unterbreizbach, STEHS Stebnicka Huta, etc.

2019 JAN

1717			2019 JAN			29d 12h								
BR131	Keskin Array S	16.99 127 i P	Pn	12 57 43.4 +0.6	comp=Z,8.8nm,1.1s	ZAAO	Zalesovo Array	40.18 59 P P	13 01 22.5 +1.3	BCAR	Beaver Creek A	64.40 349 P	P	13 04 21.8 +0.8
BRTR	Keskin Array B	16.99 127 Pn	Pn	12 57 40.9 -1.9	comp=Z,2.4nm,0.9s,baz=302,slow=5.7,SNR=12	ZALV	Zalesovo Beam	40.18 59 P P	13 01 21.3 0.0	L26K	Log Cabin Wild	64.61 350 I Amb	I Amb	13 04 25.8
BRTR	Keskin Array B	16.99 127 Pn	Pn	12 57 43.1 +0.4	comp=Z,3.5nm,1.1s	ZALV	Zalesovo Beam	40.18 59 P P	13 01 22.1 +0.8	KLR	Kuldur	65.62 40 P	P	13 04 29.6 +0.4
BRTR	Keskin Array B	16.99 127 Pn	Pn	12 57 46.5 +1.7	comp=Z,2.4nm,1.1s	ZALV	Zalesovo Beam	40.18 59 P P	13 02 53.0 -0.2	KLR	Kuldur	65.62 40 i P	P	13 04 29.7 +0.6
BR104	Keskin Array S	17.01 127 P	Pn	12 57 42.9 0.0	comp=Z,2.8nm,0.9s,baz=310,slow=9.3,SNR=5.4	ZALV	Zalesovo Beam	40.18 59 i P	13 01 22.7 +1.5	KLR	Kuldur	65.62 40 i P	P	13 04 29.7 +0.6
KTK1	Kautokoino	17.84 8 P	I Amb	12 57 50.9 -2.1	comp=Z,10.0nm,1.1s	ZALV	Zalesovo Beam	40.18 59 P P	13 01 28.6 -2.3	BNX	BinXian	66.50 45 i P	P	13 04 35.5 +0.7
VSLR	Vesylolye	18.03 107 i P	P	12 57 56.9 +0.8	KBL	Kabul	41.29 93 P P	13 01 28.6 -2.3	BNX	BinXian	66.50 45 i P	P	13 04 35.5 +0.7	
JETT	Jettan, Norway	18.17 5 P	Pn	12 57 54.7 -2.4	KBL	Kabul	41.29 93 P P	13 01 28.6 -2.3	HNS	HongShan	66.55 59 i P	P	13 04 36.8 +1.6	
APA	Apatity	18.18 21 i P	Pn	12 57 54.3 -2.8	MAKZ	Makanchi	42.02 69 P P	13 01 37.7 +1.2	HNS	HongShan	66.55 59 i P	P	13 04 36.8 +1.6	
APA	Apatity	18.18 21 i P	Pn	13 01 15.4	MAKZ	Makanchi	42.02 69 P P	13 01 37.7 +1.2	MDND	Maddock	66.73 319 P	P	13 04 37.0 +0.8	
APA	Apatity	18.18 21 i P	Pn	13 01 15.4	MAKZ	Makanchi	42.02 69 P P	13 01 37.7 +1.2	F33A	5 Mile Ranch	66.89 315 I Amb	I Amb	13 04 38.0 +0.6	
TRO	Tromsø	18.19 3 e P	Pn	12 57 55.5 -1.6	MK31	Makanchi Array	42.21 69 e P	13 01 39.5 +1.4	F33A	5 Mile Ranch	66.89 315 I Amb	I Amb	13 04 39.6	
ESDC	Sonsecq Array	18.19 237 Pn	Pn	12 57 55.1 -1.5	MKAR	Makanchi Array	42.21 69 P P	13 01 39.5 +1.4	PZH	PanZhihua	67.10 76 P	P	13 04 39.5 +0.4	
ARA0	ARCESS Array S	18.58 10 P	P	12 57 59.3 -2.5	MKAR	Makanchi Array	42.21 69 P P	13 01 39.5 +1.4	PZH	PanZhihua	67.10 76 P	P	13 04 39.5 +0.4	
ARCES	ARCESS Array B	18.58 10 Pn	Pn	12 57 58.6 -3.3	MKAR	Makanchi Array	42.21 69 P P	13 01 39.5 +1.4	PZH	PanZhihua	67.10 76 P	P	13 04 39.5 +0.4	
ARCES	ARCESS Array B	18.58 10 Pn	Pn	13 05 40.0	MKAR	Makanchi Array	42.21 69 P P	13 01 39.5 +1.4	PZH	PanZhihua	67.10 76 P	P	13 04 39.5 +0.4	
LVZ	Lovozero	18.73 22 P	P	12 58 03.2 -0.4	KSH	Kashi	42.49 82 P P	13 03 42.5 +0.3	CN2	Changchun	67.11 48 e P	P	13 04 39.0 +0.3	
LVZ	Lovozero	18.73 22 P	P	12 58 03.4 -0.2	KSH	Kashi	42.49 82 P P	13 03 42.5 +0.3	CN2	Changchun	67.11 48 e P	P	13 04 39.0 +0.3	
BNN	Bunyan	18.77 125 P	I Amb	12 58 02.5 -1.8	SCHO	Schefferville	47.02 308 P	13 02 17.3 +0.9	ECS2	EROS Data Cent	68.69 314 P	P	13 04 48.6 0.0	
MVO	Moncorvo	18.96 246 e P	Pn	12 58 16.9 +1.0	SCHO	Schefferville	47.02 308 P	13 02 18.8	KMI	Kunming	68.72 76 i P	P	13 04 51.5 -2.1	
KEV	Kevo	18.97 12 P	P	12 58 05.5 -0.6	SCHO	Schefferville	47.02 308 P	13 02 18.8	KMI	Kunming	68.72 76 i P	P	13 04 51.5 -2.1	
KEV	Kevo	18.97 12 P	P	12 58 05.5 -0.6	SCHO	Schefferville	47.02 308 P	13 02 18.8	KMI	Kunming	68.72 76 i P	P	13 04 51.5 -2.1	
GOF	Gofitskoye	19.00 99 e P	Pn	12 58 08.0 +0.7	SCHO	Schefferville	47.02 308 P	13 02 18.8	USRK	Ussuriysk Ar	69.72 44 P	P	13 04 56.9 +1.8	
KIV	Kislovodsk	19.35 103 e S	Pn	12 58 11.7 0.0	SCHO	Schefferville	47.02 308 P	13 02 18.8	USRK	Ussuriysk Ar	69.72 44 P	P	13 04 56.9 +1.8	
KIV	Kislovodsk	19.35 103 e S	Pn	13 01 49.9 +0.7	SCHO	Schefferville	47.02 308 P	13 02 18.8	USRK	Ussuriysk Ar	69.72 44 P	P	13 04 56.9 +1.8	
KIV	Kislovodsk	19.35 103 e S	Pn	13 01 49.9 +0.7	SCHO	Schefferville	47.02 308 P	13 02 18.8	USRK	Ussuriysk Ar	69.72 44 P	P	13 04 56.9 +1.8	
BELG	Belogorovo	19.37 75 P	P	12 58 05.8 -4.8	TIKI	Tiksi	48.36 23 P	13 02 28.3 +1.8	N35A	Tabor	70.50 312 P	P	13 05 00.0 +0.1	
BELG	Belogorovo	19.37 75 P	P	12 58 05.0 -5.6	TIKI	Tiksi	48.36 23 P	13 02 28.3 +1.8	N35A	Tabor	70.50 312 P	P	13 05 00.0 +0.1	
SHA1	Shidzhatmaz	19.45 103 i P	P	12 58 07.4 -4.5	TIKI	Tiksi	48.36 23 e P	13 02 28.3 +1.8	EGMT	Eagleton	70.51 325 P	P	13 04 59.0 -0.9	
HAMF	Hamberfest	19.47 8 P	P	12 58 10.2 -1.4	TIKI	Tiksi	48.36 23 e P	13 02 28.3 +1.8	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
KBZ	Khabz	19.61 103 P	P	12 58 13.4 +0.1	MOY	Mony	49.78 54 e P	13 02 40.2 +2.4	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
VADS	Vadso	19.62 14 e P	I Amb	12 58 12.6 -0.7	MOY	Mony	49.78 54 e P	13 02 40.2 +2.4	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
VADS	Vadso	19.62 14 e P	I Amb	12 58 14.1	LODK	Lodwar	50.61 155 P	13 02 44.5 +0.1	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PCBR	Castello Branco	20.11 244 e P	Pn	12 58 21.4 +0.9	LODK	Lodwar	50.61 155 P	13 02 47.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PCBR	Castello Branco	20.11 244 e P	Pn	12 58 26.9	BATG	Bathurst New B	50.94 300 P	13 02 47.1 +0.6	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
KIRV	Kirov	20.17 57 P	P	12 58 18.9 -0.4	ZAK	Zakamensk	51.71 55 e P	13 02 53.8 +1.5	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
KIRV	Kirov	20.17 57 e P	P	12 58 19.2 -0.1	ZAK	Zakamensk	51.71 55 e P	13 02 53.8 +1.5	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
GAZ	Gaziantep	20.75 126 P	P	12 58 25.6 -0.3	BOD	Bodaibo	52.13 42 e P	13 02 55.4 +0.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PESTR	Estremoz	20.85 242 e P	Pn	12 58 29.8 +0.6	BOD	Bodaibo	52.13 42 e P	13 02 55.4 +0.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PESTR	Estremoz	20.85 242 e P	Pn	12 58 34.0	BOD	Bodaibo	52.13 42 e P	13 02 55.4 +0.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
EVO	Evora	21.32 242 e P	P	12 58 32.1 +0.2	LDAO	Lac Daran	53.27 303 P	13 03 04.2 +0.3	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
MESJ	Messejana	21.93 241 e P	P	12 58 42.7 +4.2	MBAR	Mbarara	53.43 162 P	13 03 06.0 +0.5	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
MESJ	Messejana	21.93 241 e P	P	12 58 45.0	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PVAQ	Vaqueiros	21.98 239 P	P	12 58 39.0 +0.1	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PVAQ	Vaqueiros	21.98 239 e P	P	12 58 40.8 +1.8	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PVAQ	Vaqueiros	21.98 239 e P	P	12 58 43.1	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PCVE	Castro Verde	21.98 240 e P	P	12 58 40.8 +1.7	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PCVE	Castro Verde	21.98 240 e P	P	12 58 43.1	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PBDV	Barranco-do-Ve	22.21 239 e P	P	12 58 40.8 -0.8	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
PBDV	Barranco-do-Ve	22.21 239 e P	P	12 58 44.9	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
GNI	Garni	22.83 109 i P	P	12 58 49.8 +1.5	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
GNI	Garni	22.83 109 i P	P	12 58 49.8 +1.5	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
MMAI	Mount Meron Ar	23.27 135 P	P	12 58 52.0 -0.8	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
MMAI	Mount Meron Ar	23.27 135 P	P	12 58 52.0 -0.8	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
AKT	Akhty	23.82 103 e P	P	12 58 59.2 +1.0	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
AKT	Akhty	23.82 103 e P	P	12 59 24.6	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
AKT	Akhty	23.82 103 e P	P	13 02 42.5	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
ARTI	Arti	25.03 62 P	I Amb	12 59 07.7 -1.5	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
ARTI	Arti	25.03 62 P	I Amb	12 59 12.0	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
ARTI	Arti	25.03 62 i P	S	12 59 09.2 +0.1	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
ARTI	Arti	25.03 62 i P	S	13 03 32.4 -1.6	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
SCO	Scoresbysund	25.71 331 P	I Amb	12 59 13.2 -1.9	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
SCO	Scoresbysund	25.71 331 P	I Amb	12 59 19.6	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
SCO	Scoresbysund	25.71 331 P	I Amb	12 59 13.2 -1.9	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
SCO	Scoresbysund	25.71 331 P	I Amb	12 59 13.2 -1.9	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
SVE	Sverdlövs	26.21 61 e P	P	12 59 21.3 +1.5	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
SVE	Sverdlövs	26.21 61 e P	P	12 59 21.3 +1.5	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
SPA0	Spitsbergen Ar	26.73 0 e P	P	12 59 24.7 +0.4	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
SPA0	Spitsbergen Ar	26.73 0 e P	P	12 59 29.4	MBAR	Mbarara	53.43 162 P	13 03 08.2	CCM	Cathedral Cave	70.57 307 P	P	13 05 01.0 +0.7	
TAM	Tamanrasset	29.86 200 P	P	12 59 52.5 -0.3	MBAR	Mbarara	5							

29d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PFO Pinyon Flats O, PASC Pasadena Art C, PIX Pinacate, etc.

ISN 29 12:57:38.21.0.34.60N.45.21E, h14km, 18km, ML2.9

TEH 29 12:57:38.5.34.59N.45.25E, h10km

ISC 29 12:57:38.01.5.34.61N.0.05.45.18E.0.06, h2km, 15km, n7.0, 0.86/12, Iran-Raq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GLGI Gilan-e-Gharb, IDHR Dehrash, IKRK Kirkuk, etc.

DJA 29 13:14:41.7.0.8.7'S.15x10'09E, h249km, 7km, M2.7/12, MLV2.7/12

IDC 29 13:14:41.9.1.0.7'11S.108.77E, h279km, 26km, mb2.7/4, mbmp3.4/4, Error ellipse: s-maj=122.3km s-min=22.1km az=51.0

ISC 29 13:14:41.0.0.9.7'15.0'2.109.12E.0.07, h256km, 8km, n14.0, 1.19/20, mb3.0/4, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KPJI Karang Pucung, CMJI Cimerak, SMRI Semarang, etc.

ASAR Alice Springs 28.94 127 P 13 20 18.2 +1.3

STKA Stephens Creek 39.03 133 P 13 21 44.2 +0.9

MKAR Makanchi Array 58.72 339 P 13 24 09.9 -2.2

IDC 29 13:21:03.6.969.0, 53.05N.4.67E, h0km, Error ellipse: s-maj=417.1km s-min=155.8km az=109.0, Nor Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like I26DE FREYUNG INFRAS, I43RU DUBNA INFRASON, I31KZ AKTYUBINSK INF, etc.

IDC 29 13:21:13.8.11.0.24.99S.179.74E, h410km, 107km, mb3.7/3, mbmp4.7/4, Error ellipse: s-maj=76.9km s-min=35.3km az=28.0

NOU 29 13:21:23.8.25.56S.179.56W, h548km, mb4.1/15, South of Fiji Islands

NEIC 29 13:21:23.6.1.2.25.6S.0.2.179.5E.0.2, h505km, 6km, mb4.5/16, Error ellipse: s-maj=25.1km s-min=22.8km az=109.0

ISC 29 13:21:22.6.0.8.25.30S.0.08.179.95E.0.09, h550km, n93.0, 1.157/95, mb4.5/10, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO Raoul Island, GLKZ Green Lake, LKBA Tubou, Lakemba, etc.

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

URZ Urewera 13.14 190 P 13 24 10.9 -1.8

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RATZ Rangitukia, BKZ Black Stump Fm, BKZ Black Stump Fm, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNZO South Koror, ORZ Ouaru Range, TKNZ Takaka Hill, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTAO Charters Tower, CTAO Charters Tower, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WR2 Warramunga Arr, WR2 Warramunga Arr, WR2 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BJO1 Bjornoya, BJO1 Bjornoya, BJO1 Bjornoya, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRBA Barentsburg A, BRBA Barentsburg A, BRBA Barentsburg A, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBS Kingsbay, KBS Kingsbay, KBS Kingsbay, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARAO ARCESS Array S, ARAO ARCESS Array S, ARAO ARCESS Array S, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HEF Hetta, HEF Hetta, HEF Hetta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VADS Vadsø, VADS Vadsø, VADS Vadsø, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARAO Apatity Array, ARAO Apatity Array, ARAO Apatity Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Elision Array, ILAR Elision Array, ILAR Elision Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SANVU Saraoutou, SANVU Saraoutou, SANVU Saraoutou, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like INKA Innaminka, INKA Innaminka, INKA Innaminka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like AAK Ala-Archa, SEM Semipalatinsk, KURBB Kurchatov Arra, etc.

KOLA 29 15:25:40.3, 67.64N, 34.25E, h0km, ML2.8, Error ellipse: s-maj=6.6km s-min=3.0km az=110.0, Murmansk region, Kirovsk district

ISC 29 15:25:40.4, 2.0, 67.83N, 33.94E, h0km, mbtmp3.5/5, ML2.3/5, Error ellipse: s-maj=21.1km s-min=11.5km az=70.0

ISC 29 15:25:38.8, 0.9, 67.75N, 0.03, 33.73E, 0.05, h10km, n15, #230/23, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like APA Apatity, KWA Kuvda, TERR Teriberka, etc.

NEIC 29 15:27:20.4, 1.1, 5.0S, 0.2, 154.8E, 0.2, h483km, 18km, mb4.5/14, Error ellipse: s-maj=25.2km s-min=19.1km az=222.0

ISC 29 15:27:22.9, 6.2, 4.92S, 154.96E, h546km, 79km, mb3.0/7, mbtmp4.0/8, Error ellipse: s-maj=37.3km s-min=24.8km az=22.0

ISC 29 15:27:19.6, 0.8, 4.8S, 0.1, 154.9E, 0.1, h500km, n27, #678/28, mb4.1/11, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like RABL Rabaul.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like HNR Honiara, MANU Manus Island, COEN Coen, etc.

ISC 29 15:31:54.7, 0.8, 23.03S, 114.64W, h0km, mb3.7/8, mbtmp3.7/8, MS3.7/8, Error ellipse: s-maj=33.4km

ISC 29 15:31:56.1, 0.9, 23.1S, 0.2, 114.7W, 0.2, h10km, n31, #091/16, mb3.8/8, MS3.6/8, Easter Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like H03N2 Juan Fernandez, H03N3 Juan Fernandez, etc.

WEL 29 15:38:13.5, 1.2, 33S, 29.179E, 4.6, h411km, 39km, M4.1/6, mb4.2/3, ML3.9/5, ML4.2/6, Mw(mb)3.2/3, Error ellipse: s-maj=66.6km s-min=24.6km az=117.6, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MXZ Matakaoa Point, WMGZ Waiomatitani S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like MWZ, URZ Urewera, URZ, etc.

ISC 29 15:46:28.6, 0.9, 35.16N, 4.07W, h0km, mb3.7/12, mbtmp3.8/17, ML3.9/5, MS3.1/3, Error ellipse: s-maj=25.7km s-min=14.2km az=97.0

IGIL 29 15:46:30.9, 35.17N, 4.02W, h7km, ML3.6, CNMR 29 15:46:30.5, 35.30N, 4.03W, h16km, ML4.5, INMG 29 15:46:31.6, 1.5, 35.22N, 4.03W, h9km, 5km, ML3.5, Error ellipse: s-maj=2.3km s-min=2.2km az=152.0, #DIST_RANG: REGIONAL #PMA_REGION: SW AI Hocoima (MARR)

MDD 29 15:46:31.2, 0.5, 35.17N, 4.02W, h7km, 3km, mb_Lg3.8/4/6, Error ellipse: s-maj=2.9km s-min=1.9km az=154.0, SFS 29 15:46:31.2, 35.24N, 4.01W, h8km, ML4.2/25, ML4.4/25, ML4.4/25

ISC 29 15:46:30.9, 0.8, 35.23N, 0.02, 4.03W, 0.02, h16km, 5km, n116, #59/243, mb3.6/10, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PALE Palesmas, AKLM AKL, GOG Mont Gurugu, etc.

Table with columns: Code, Station Name, Az, El, Pn, Pn, Time Res, ISC. Includes stations like OBKA Obir, BRTR Keskin Array B, PSZ Piszkesteto, etc.

TRN 29.16:17:14.5, 17.61N:61.59W, h24km, MD3.9, 1D, Near East of Barbuda, Leeward Islands

Main table with columns: Code, Station Name, Az, El, Pn, Pn, Time Res, ISC. Includes stations like ANBD Obir, ANBD MBWH, ANBD MBFL, etc.

Table with columns: Code, Station Name, Az, El, Pn, Pn, Time Res, ISC. Includes stations like KAPI Kappang, KAPI Kappang, FITZ Crossi, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRWZ Traveller, GWGZ Otaki Gorge, MRNZ Matariki Terra, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARAO ARCESS Array S, ARAO ARCESS Array B, ARCES ARCESS Array C, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KLU China Post, CNPM comp=E,134nm,0.6s, CNPM comp=N,156nm,0.4s, etc.

ISN 29 17:03:26.7, 9.34, 53N, 45.30E, h14km, mb2.6, ML2.6

TEH 29 17:03:26.7, 9.54N, 45.27E, h10km, 38km

ISC 29 17:03:27.4, 1.0, 34.53N, 0.05, 45.28E, 0.04, h18km, n10, s=061/14, Iran-Iraq border region

IDC 29 17:51:19.7, 2.2, 31S, 128.20E, h0km, mb3.3/2, mbtmp3.3/3, ML3.3/1, Error ellipse: s-maj=145.7km, s-min=28.2km az=68.0, Ceram Sea

NEIC 29 17:57:15.5, 1.3, 61.42N, 0.02, 150.06W, 0.05, h40km, 4km, Error ellipse: s-maj=3.5km s-min=3.1km az=147.0

AEIC 29 17:57:16.1, 1.2, 61.41N, 0.02, 150.04W, 0.05, h47km, 4km, ML2.7, ML3.0/176(NEIC), Error ellipse: s-maj=3.5km s-min=3.3km az=141.0, Southern Alaska

ISN 29 17:03:26.7, 9.34, 53N, 45.30E, h14km, mb2.6, ML2.6

TEH 29 17:03:26.7, 9.54N, 45.27E, h10km, 38km

ISC 29 17:03:27.4, 1.0, 34.53N, 0.05, 45.28E, 0.04, h18km, n10, s=061/14, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KGS1 Ghas-e-Shirin, GLG1 Gilan-e-Gharb, DHR1 Dehrah, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FIS Fire Island, M22K Willow, M22K comp=N,2um,0.8s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HDA Harding Lake, HDA comp=N,34nm,0.8s, MENT Mentasta, etc.

IDC 29 17:18:55.0, 4.7, 69.17N, 11.07E, h0km, mb2.5/1, mbtmp3.1/5, ML2.3/4, Error ellipse: s-maj=64.0km s-min=16.4km az=127.0

BER 29 17:19:02.6, 3.6, 68.90N, 12.16E, h2km, 14km, ML2.3, MW2.8, ML3.0(NAO), Confirmed Earthquake

NAO 29 17:19:03.5, 3.1, 68.87N, 12.37E, h20km, 20km, ML3.0

ISC 29 17:19:04.3, 1.9, 68.83N, 0.06, 12.40E, 0.07, h27km, 14km, n37, f13/58, Northern Norway

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LOF Lofoten, STEI Steigen, FAUS Fauske, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RC01 Rabbit Creek A, PMR Palmer, GHO Glory Hole Cre, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like J20K Novinta River, CCB Clear Creek Bu, M26K M26K, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JETT Jettan, NORW JETT, KIF Kilpisjarvi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPBG Spurr Blockage, M23K Glacier View, SEM Seward, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like J25K Salcha River, KDAK Kodiak Island, I21K Tanana, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes entries like M16K, N16K, O16K, etc.

Code Station Name Az Op Phase ID Time Res ISC
M16K comp=N,22nm,3.5s IAML 18 00 22.9

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes entries like PALE, GOG, EMEL, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes entries like E0802, ZHG, EADA, etc.

Code Station Name Az Op Phase ID Time Res ISC
E0802 Ubeda,Jaen 2.86 2 P Pn 17 59 52.4 +1.5

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes entries like E0802, ZHG, EADA, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes entries like PCAS, ERTA, ERTA, etc.

Code Station Name Az Op Phase ID Time Res ISC
PCAS Horta de San J 6.53 27 P S 18 01 50.0 +0.5

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes entries like DUNU, MASU, ERTU, etc.

Code Station Name Az Op Phase ID Time Res ISC
DUNU Dundret 0.15 304 P Pg 18 04 41.1 0.0

29d 19h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details for various stations.

19 JAN

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details for various stations.

1728

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details for various stations.

RSNC 29 18:32:26.8 0.0, 3 N1: 7*6W5, h0km, 2km, M1.7, ML1.7, Colombia

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations in Colombia.

JMA 29 19:07:01.8 0.3, 25 N2: 14*1E1, h156km, MV4.0/14, IOTO ISLAND REGION, Volcano Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations in the IOTO ISLAND REGION.

IDC 29 19:10:17.3 3.1, 36*89N: 71*54E, h90km, 27km, mb3.5/15, mbmp4.0/19, MS3.6/2, Error ellipse: s-maj=22.3km

BUJ 29 19:10:18.3, 37*16N: 71*45E, h94km, mb4.8/7, mb4.4/19
NEIC 29 19:10:19.9, 1.8, 8*37*10N, 0.06*71, 33E, 0.08, h106km, 6km, mb4.3/18, Error ellipse: s-maj=8.8km s-min=8.0km az=104.0

MOS 29 19:10:19.4, 1.0, 37*09N: 71*53E, h112km, mb4.0/12, Error ellipse: s-maj=8.9km s-min=5.4km az=82.5
NINC 29 19:10:24.2, 2.9, 37*49N: 71*31E, h157km, 37km, mb3.8, mpv4.7, Error ellipse: s-maj=27.4km s-min=14.6km az=27.0

ISC 29 19:10:19.3 0.4, 37.03N: 0.04: 71*52E: 0.04, h106km, n126, c2923/148, mb3.8/27, 11C-7D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details for stations in the Afghanistan-Tajikistan border region.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for stations AAK through SHL.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for stations SHL through KOK.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other technical details for stations PET through SHAT.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TPUB, WRL, SNST, WTP, CHN1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSHI, NSK, LATG, etc.

WEL 29 19:53:49.31.1.33'S,20.18'0E,4.2,h416km,19km, ML3.7/7,mb3.4,2.6,ML4.2/6,Mw(4.0)/7,Mw(MB)3.3/6, Error ellipse: s-maj=60.3km s-min=9.1km az=113.6, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MXZ, WNGZ, WMMZ, etc.

UPA 29 19:54:32.4.2.1,7.42N-81.73W,h2km,8km,MW4.2, IC-8D, Panama

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GMAL, GMAR, GMAR3, etc.

NEIC 29 20:11:33.5:2.9,43.76N:0.07:105.28W:0.09,h0km,1km, ML3.2/5B, Error ellipse: s-maj=12.6km s-min=9.5km az=39.0

ICD 29 20:11:34.1:2.6,43.26N:105.28W,h0km,mb2.4/1, mbtmp3.0/3,ML3.1/2,MS2.8/2, Error ellipse: s-maj=50.9km s-min=10.9km az=153.0

ICN 29 20:11:35.2:1.1,43.67N:0.05:105.29W:0.05,h0km,n38, alpha131/36, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RSDS, N23A, N23A, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BRIGG, RLMT, PD31, etc.

MOOW Moose Ponds 3.95 273 Pn 20 12 39.1 +1.8 TPAW Teton Pass 4.11 269 IAML 20 12 39.8 +0.2 TPAW Teton Pass 2.99m,3.4s IAML 20 14 42.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YHH, O20A, YMR, etc.

YBA Yreka Blue Her 12.96 267 LR 20 20 01.3 YKA Yellowknife Arr 19.63 347 Pn 20 16 10.3 +4.0

JMA 29 20:14:20.9:0.2,36.0N:0.8:137.7E:0.9,h235km,1km, MW3.0/32, WESTERN NAGANO PREF

ICD 29 20:14:20.4:5.2,35.55N:136.98E,h192km,160km, mb3.2/2,mbtmp3.7/2, Error ellipse: s-maj=286.7km s-min=70.3km az=41.0

ISC 29 20:14:20.9:1.2,36.07N:0.08:137.62E:0.08,h235km,8km, n16,+0535/22, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JGN, JGN, MAT, etc.

ASAR Alice Springs 59.51 184 P 20 23 59.5 -0.1 MKAR Makannchi Arr 67.81 327 P 20 27 52.9 -0.2

ICD 29 20:17:06.6:14.0,6.33S:130.26E,h108km,153km, mb3.2/1,mbtmp3.5/4,ML3.3/3, Error ellipse: s-maj=85.3km s-min=54.7km az=26.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ, FITZ, WRA, etc.

s-min=28.3km az=120.0
ISC 29 20:25:33.5, 0.7, 30.707S; 0.03:71.15W, 0.04, h71km, 6km,
n112, c29/40/135, mb4.2/5, 5C-4D, Near coast of central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like El Pedregal, Tololo Observa, La Serena, Juntas del Tor, etc.

Table with columns: BO04, BO01, BO02, etc. Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like La Punta, Mina Casimiro, Sierra Bellavi, etc.

Table with columns: PB14, PB14, comp=E, 29nm, 0.2s, eS, S, 20 56 28.9, 1.2, 20 56 32.3, etc. Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include stations like Dundret, Masugnsbyn, Kurraavaara, etc.

ISC 29 20:43:42.8; 1.5, 34.55N; 45.26E, h6km, 25km, ML2.8
TEH 29 20:43:44.0, 34.55N, 45.27E, h8km, 90km
ISC 29 20:43:44.0; 1.1, 34.57N; 0.04:45.25E; 0.05, h18km, n11,
c125/15, Iran-Iraq border region

SCB 29 20:54:55.3; 0.7, 22.28S; 67.67W, h166km, 12km, ML3.3/3,
Error ellipse: s-maj=7.5km s-min=2.5km az=0.0
GUC 29 20:54:55.2; 0.6, 22.28S; 67.97W, h203km, 7km, ML3.4
ISC 29 20:54:53.9; 2.3, 22.29S; 0.06:67.71W, 0.06,
h185km, 22km, n13, c1911/23, 1, Chile-Bolivia border region

ISC 29 21:07:51.1; 2.5, 22.68S; 177.41W, h0km, mb4.2/6,
mbmp4.2/6, Error ellipse: s-maj=100.0km s-min=27.7km
az=147.0
ISC 29 21:08:15.9; 2.3, 23.0S; 0.5:177.6W, 0.4, h219km, n12,
c078/6, mb3.7/6, South of Fiji Islands

29d 23h

Table with columns: Station, Time, Res, and various codes. Includes stations like BAUV, JCT, BRDY, SAND, X48A, etc.

10 JAN

Table with columns: Station, Time, Res, and various codes. Includes stations like FRB, YKA, YKA, ITAB, DLBC, etc.

1734

Table with columns: Station, Time, Res, and various codes. Includes stations like YBH, YBH, L04D, L04D, etc.

29d 23h

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like MAJ01 Sao Joao Batis, SPB Sao Paulo, and various other local stations.

2019 JAN

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like SN05 Snyder 5, APMT Aspermont, and various other stations.

1736

Table with columns for station ID, name, frequency, power, and signal quality. Includes stations like K22A Casper, RSSD Black Hills, and various other stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like H04A, BUCK, HOOD, COR, D05A, ELIB, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NEEM, INK, E29M, LSZ, V03, DAVOX, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MJAR, MAJO, MAJO, WMQ, etc.

THE 29:23:50.29, 3.7, 19N-20.66E, h5km, ML3.6/7, Error ellipse: s-maj=1.5km s-min=0.9km az=51.0

ATH 29:23:50.29, 3.7, 19N-20.64E, h14km, 1km, ML3.5/6, Error ellipse: s-maj=2.7km s-min=1.2km az=42.0

ISO 29:23:50.29, 4.2, 0.37, 33N-20.74E, h0km, ML3.2/8

BEQ 29:23:50.29, 4.2, 0.37, 21N-08.20E, h0.06, h17km, gkm, n46, c1117/6, Ionian Sea

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like LTHK, KYPS, ORTH, etc.

comp=Z,0.4nm,0.6s,baz=67,slow=4.6,SNR=2.1
YKA Yellowknife Arr 94.08 24 P P 00 40 28.2 +1.1
 comp=Z,0.7nm,0.6s,baz=299,slow=4.8,SNR=13
TXAR Lajitas Arr 117.98 49 PKP PKPdf 00 45 57.1 +0.7
 comp=Z,0.1nm,0.6s,baz=355,slow=3.9,SNR=1.8
PLCA Paso Flores 145.76 157 PKPbC PKPdf 00 46 48.6 +0.8
 comp=Z,1.8nm,0.7s,baz=252,slow=3.2,SNR=3.5

NEIC 30 00:29:36.2±1.1, 19.2S:0.1x169.0E:0.1, h135km±10km, mb4.1/15, Error ellipse: s-maj=18.9km s-min=14.6km az=129.0
IDC 30 00:29:37.1±5.9, 19.36S:168.97E, h151km±42km, mb3.9/4, mbmp4.3/5, Error ellipse: s-maj=53.9km s-min=33.2km az=28.0
ISC 30 00:29:37.1±0.1, 19.3S:0.1x168.9E:0.1, h150km±n25, +0574/27, mb4.2/13, Vanuatu Islands

Code	Station Name	Δ°	ZP	Phase ID	Time	Res
					h m s	ISC
DZM	Mont Dzumac	3.60	220	Op	00 30 31.7	-0.9
DZM	Mont Dzumac	3.60	220	P	00 31 15.0	-0.4
DZM	Mont Dzumac	3.60	220	S	00 30 32.3	-0.2
DZM	25nm,0.3s,baz=74,slow=7.8,SNR=19			S	00 31 14.9	-0.4
ONTNC	Ouen Toro	3.78	218	Pn	00 30 34.3	+0.2
EIDS	Eidsvold	17.58	247	Pn	00 33 37.1	+0.2
ARMA	Armidale	19.18	231	Iamb	00 34 00.6	
CTAO	Charters Tower	21.37	264	P	00 34 13.5	+0.4
CTAO	Charters Tower	21.37	264	Iamb	00 34 15.9	
MRZ	Mangatainoka R	22.03	166	P	00 34 19.9	+0.2
MRZ	Mangatainoka R	22.03	166	Iamb	00 34 42.5	
THZ	Tophouse	22.63	172	P	00 34 27.3	+1.7
THZ	Tophouse	22.63	172	Iamb	00 34 45.2	
STKA	Stevens Creek	27.57	238	P	00 35 10.9	+0.6
STKA	Stevens Creek	27.57	238	Iamb	00 35 12.5	
STKA	Stevens Creek	27.57	238	P	00 35 11.4	+1.1
STKA	Stevens Creek	27.57	238	Iamb	00 35 11.1	+0.8
WB0	Warramunga Arr	32.53	263	P	00 35 53.0	-1.3
WB0	Warramunga Arr	32.53	263	Iamb	00 36 00.7	
WB2	Warramunga Arr	32.55	263	P	00 35 54.1	-0.3
WB2	Warramunga Arr	32.55	263	Iamb	00 36 17.2	
WRA	Warramunga Arr	32.56	263	P	00 35 53.5	-1.1
WRA	Warramunga Arr	32.56	263	Iamb	00 36 17.2	
AS31	Alice Springs	32.83	256	P	00 35 57.1	+0.2
ASAR	Alice Springs	32.84	256	P	00 35 56.8	-0.2
KNRA	Kunurra	38.43	269	P	00 36 43.7	-1.0
FITZ	Fitzroy Crossi	40.95	264	P	00 37 05.6	+0.1
FITZ	Fitzroy Crossi	40.95	264	P	00 37 05.9	+0.4
MBWA	Marble Bar	46.06	259	P	00 37 46.7	+0.3
MBWA	Marble Bar	46.06	259	Iamb	00 38 11.9	
NWAO	Narogin (SRO)	47.93	243	P	00 38 01.4	+0.7
QSPA	South Pole Qui	70.74	180	P	00 40 36.7	-0.2
BELA	Belgrano 2	82.05	175	P	00 41 39.5	-0.8
BELA	Belgrano 2	82.05	175	Iamb	00 41 41.3	
M16K	Timber Creek	84.12	15	P	00 41 51.2	+0.2
M16K	Timber Creek	84.12	15	Iamb	00 42 09.0	
ARCES	ARCES Array B	126.35	345	PKP	00 48 18.1	-1.0
ARCES	ARCES Array B	126.35	345	PKPdf	00 48 18.1	-1.0

NEIC 30 00:34:52.8±3.0, 40.54N:0.04±125.44W:0.10, h20km±11km, Error ellipse: s-maj=11.2km s-min=5.9km az=82.0
NCEDC 30 00:34:53.1±2.3, 40.43N:0.05±125.50W:0.05, h22km±8km, ML3.4/23, ML3.1/87(NEIC), Error ellipse: s-maj=7.2km s-min=5.1km az=178.0, Off coast of northern California

Code	Station Name	Δ°	ZP	Phase ID	Time	Res
					h m s	ISC
KCTM	Capetown	0.89	87	Op	00 35 08.7	+1.2
KCTM	Capetown	0.89	87	Pb	00 35 21.0	-0.4
KMPM	Mount Pierce	1.06	90	Pn	00 35 10.7	-1.9
KMPM	Mount Pierce	1.06	90	Sb	00 35 24.2	-1.9
JCC	Jacoby Creek	1.19	70	Sg	00 35 12.1	-2.3
JCC	Jacoby Creek	1.19	70	Sb	00 35 26.2	-3.6
JCC	Jacoby Creek	1.19	70	IAML	00 35 27.0	
KCRM	Chalk Rock	1.29	90	Pn	00 35 14.2	-1.6
KRPM	Rodgers	1.34	57	Pn	00 35 14.2	-2.4
KRPM	Rodgers	1.34	57	Sn	00 35 30.4	-3.4
KRPM	Rodgers	1.34	57	IAML	00 35 31.1	
KRPM	Rodgers	1.34	57	IAML	00 35 31.9	
KMRM	Mari Ridge	1.39	98	Pn	00 35 15.8	-1.4
KHMM	Horse Mountain	1.42	71	Pn	00 35 15.9	-1.8
KRMB	Red Mountain	1.63	47	Pn	00 35 18.1	-2.5
KCPM	Cahto Peak	1.65	116	Pn	00 35 18.5	-2.4
KIPM	Iron Peak	1.67	111	Pn	00 35 19.4	-1.7
KHBM	Hayfork Bally	1.76	82	Pn	00 35 20.5	-1.9
KHBM	Hayfork Bally	1.76	82	Sn	00 35 41.6	-2.6
KHBM	Hayfork Bally	1.76	82	IAML	00 35 42.4	
KHBM	Hayfork Bally	1.76	82	IAML	00 35 42.6	
KOMM	Orleans Mounta	1.77	61	Pn	00 35 20.6	-1.9
KFPM	Farley Peak	1.78	116	Pn	00 35 20.9	-1.7
SIGP	Signal Peak, C	1.81	36	Pn	00 35 20.8	-2.1
GTC	Three Chop Rid	1.82	124	Pn	00 35 20.3	-2.7
KBNM	Bluesone Ridge	1.85	106	Pn	00 35 22.4	-1.2
KXSB	Camp Six Broad	1.86	41	Pn	00 35 21.3	-2.5
DCMP	DeCamp, Califo	1.92	119	Pn	00 35 22.9	-2.2
DCMP	DeCamp, Califo	1.92	119	IAML	00 35 23.0	
WEAV	Weaverville	1.94	80	Pn	00 35 23.4	-1.5
LBPm	Beegum Peak	2.01	92	Pn	00 35 27.7	-1.1
KBO	Bosley Butte	2.02	28	Pn	00 35 24.4	-1.6
KBO	Bosley Butte	2.02	28	IAML	00 35 48.8	
GWRM	Wonder Ranch	2.09	125	Pn	00 35 24.1	-2.7
O02D	Mt. Diablo Mer	2.09	96	Pn	00 35 25.5	-1.4
O02D	Mt. Diablo Mer	2.09	96	IAML	00 35 51.6	
N02D	Trinity Center	2.20	75	Pn	00 35 26.7	-1.7
N02D	Trinity Center	2.20	75	IAML	00 35 55.1	
M02C	Callahan	2.23	64	Pn	00 35 27.1	-1.6
GROM	Round Mountain	2.23	102	Pn	00 35 27.7	-1.1
L02F	Cave Junction	2.23	40	Pn	00 35 27.2	-1.6
L02F	Cave Junction	2.23	40	IAML	00 35 27.7	-1.5
GVV	Valley View	2.27	106	Pn	00 35 28.2	-1.2
HOPD	Hopland Field	2.36	127	Pn	00 35 27.8	-2.3
LAMM	Antelope Mount	2.48	61	Pn	00 35 31.1	-1.2
YBH	Yreka Blue Hor	2.48	57	Pn	00 35 30.8	-1.5
GCK	Clark Valley	2.52	110	Pn	00 35 32.5	-0.4
GCHM	House Springs	2.55	135	Pn	00 35 30.1	-3.1
LTCM	Tuscan Creek	2.59	94	Pn	00 35 33.1	-0.7
LGBM	Gray Butte	2.67	69	Pn	00 35 34.6	-0.5
M03C	McCloud	2.70	71	Pn	00 35 34.9	-0.4
LMPM	Military Pass	2.74	66	Pn	00 35 35.8	-0.2
LHEM	Herd Peak	2.76	63	Pn	00 35 35.9	-0.3
O03E	Paynes Creek	2.83	92	Pn	00 35 35.7	-1.3
O03E	Paynes Creek	2.83	92	IAML	00 36 11.8	
O03E	Paynes Creek	2.83	92	IAML	00 36 17.4	
LDBM	Digger Butte	2.84	89	Pn	00 35 35.9	-1.3
J01E	Myrtle Point	2.97	23	Pn	00 35 38.1	-0.8
J01E	Myrtle Point	2.97	23	IAML	00 36 15.6	
J01E	Myrtle Point	2.97	23	IAML	00 36 15.8	

Code	Station Name	Δ°	ZP	Phase ID	Time	Res
					h m s	ISC
L04D	Klamath Falls	3.00	52	Pn	00 35 40.1	+0.6
L04D	Klamath Falls	3.00	52	IAML	00 36 17.2	
L04D	Klamath Falls	3.00	52	IAML	00 36 17.3	
LGMM	Garner Mountain	3.01	66	Pn	00 35 40.7	+1.1
OSUM	Sutter Buttes	3.04	111	Pn	00 35 38.3	-1.5
MCCM	Marconi Center	3.06	137	Pn	00 35 38.3	-1.8
MCCM	Marconi Center	3.06	137	IAML	00 36 39.5	
MCCM	Marconi Center	3.06	137	IAML	00 37 18.7	
L04D	Klamath Falls	3.00	52	Pn	00 35 40.1	-0.5
L04D	Klamath Falls	3.00	52	IAML	00 36 40.7	-0.1
L04D	Klamath Falls	3.00	52	IAML	00 36 27.4	
SUTB	Sutter Butte	3.10	112	Pn	00 35 39.0	-1.8
SUTB	Sutter Butte	3.10	112	IAML	00 36 15.5	
SUTB	Sutter Butte	3.10	112	IAML	00 36 28.9	
DBO	Dodson Butte	3.17	31	Pn	00 35 41.0	-0.8
LBCM	Butte Creek Rn	3.18	81	Pn	00 35 42.0	-0.1
H0CG	Hogback Mounta	3.38	36	Pn	00 35 45.5	+0.7
K04D	Chiloquin, OR	3.57	51	Pn	00 35 47.3	+0.1
K04D	Chiloquin, OR	3.57	51	IAML	00 36 10.4	
K04D	Chiloquin, OR	3.57	51	IAML	00 36 44.6	
J04A	Umpqua Nationa	3.78	41	Pn	00 35 50.9	+0.6
AFDM	Forest Hills D	3.80	111	Pn	00 35 49.3	-1.0
I02E	Swisshome, OR	3.88	18	Pn	00 35 50.7	-0.6
I02E	Swisshome, OR	3.88	18	IAML	00 36 35.7	
I02E	Swisshome, OR	3.88	18	IAML	00 36 15.9	
I04A	Tendick Farm,	4.07	33	Pn	00 35 55.0	+0.8
I04A	Tendick Farm,	4.07	33	IAML	00 36 43.1	
I04A	Tendick Farm,	4.07	33	IAML	00 36 44.9	
BUCK	Buck Mountain	4.20	26	Pn	00 35 56.2	+0.3
BUCK	Buck Mountain	4.20	26	IAML	00 36 46.5	
BUCK	Buck Mountain	4.20	26	IAML	00 36 46.5	
J05D	Fort Rock, OR	4.28	47	Pn	00 35 57.8	+0.8
J05D	Fort Rock, OR	4.28	47	IAML	00 37 56.5	
J05D	Fort Rock, OR	4.28	47	IAML	00 38 07.4	
MPK	Martis Peak	4.36	103	Pn	00 35 58.4	+0.1
MPK	Martis Peak	4.36	103	IAML	00 36 57.0	
MPK	Martis Peak	4.36	103	IAML	00 36 57.0	
CMB	Pine Nut	4.64	119	Pn	00 36 01.8	0.0
PNTR	Pine Nut	4.74	104	Pn	00 36 04.1	+0.6
PNTR	Pine Nut	4.74	104	IAML	00 37 10.9	
PNTR	Pine Nut	4.74	104	IAML	00 37 14.8	
PAHR	Pah Rah Rang	4.75	97	Pn	00 36 02.1	-1.4
PAHR	Pah Rah Rang	4.75	97	IAML	00 37 11.4	
PINE	Pine Mountain	4.78	44	Pn	00 36 04.5	+0.6
PINE	Pine Mountain	4.78	44	IAML	00 36 42.8	
PINE	Pine Mountain	4.78	44	IAML	00 38 24.2	
SAO	San Andreas Ge	4.85	138	Pn	00 36 02.8	-1.9
H04A	Detroit Lake	4.91	29	Pn	00 36 05.9	+0.3
I05D	Terrbonne, OR	4.98	37	Pn	00 36 07.0	+0.5
I05D	Terrbonne, OR	4.98	37	IAML	00 38 07.3	
YERR	Yerington	5.04	105	Pn	00	

30d Oh

Table with columns: Code, Name, Date, Time, Location, Status, etc. Includes entries like KLBK Kellerberrin, MORW Morawa, WSI Wangpu, etc.

2019 JAN

Table with columns: Code, Name, Date, Time, Location, Status, etc. Includes entries like YERR Yerington, ACHA Angle Creek He, O14K Tigikouivut M, etc.

1740

Table with columns: Code, Name, Date, Time, Location, Status, etc. Includes entries like SUA Susitna One, J16K Anvik River, J16K Anvik River, etc.

ALPN	Alpine	87.75	56	P	P	00 50 14.5 +1.1
ALPN	Alpine	00 50 16.0	I	Amb		
HYT	Haines Junctio	87.78	19	P	P	00 50 13.1 +0.4
G18K	Tagagawik	87.80	8	P	P	00 50 13.2 +0.6
M27K	Edge Creek, AK	87.82	16	P	P	00 50 13.3 +0.4
MENTK	Mentasta	87.85	15	I	Amb	00 50 15.0 +0.4
MENTK	Mentasta	87.85	15	P	P	00 50 13.6 +0.7
YUK4	Talbot Arm	87.86	18	P	P	00 50 13.9 +0.7
H20K	Anotleneega Mo	87.95	9	P	P	00 50 14.0 +0.8
L26K	Log Cabin Wild	88.02	15	I	Amb	00 50 15.7
L26K	Log Cabin Wild	88.02	15	P	P	00 50 14.0 +0.3
F17K	Baldwin Pennin	88.02	7	I	Amb	00 50 15.2
F17K	Baldwin Pennin	88.02	7	P	P	00 50 13.9 +0.3
Q32M	Nakina River	88.03	22	P	P	00 50 14.1 +0.1
K24K	Donnelly Dome	88.12	14	P	P	00 50 14.7 +0.5
I21K	Tanana	88.13	11	P	P	00 50 14.6 +0.5
BVCY	Beaver Creek	88.13	16	P	P	00 50 15.0 +0.7
NEA2	Nenana	88.13	12	I	Amb	00 50 15.4
NEA2	Nenana	88.13	12	P	P	00 50 14.3 +0.1
VNA2	Neumayer-Watz	88.15	177	↑P	P	00 50 14.1 -0.3
VNA2	Neumayer-Watz	88.15	177	↑P	P	00 52 01.0 +0.1
O30N	Mendenthal	88.16	19	I	Amb	00 50 17.3
O30N	Mendenthal	88.16	19	P	P	00 50 15.0 +0.5
WRH	Wood River Hill	88.22	12	P	P	00 50 13.9 -0.6
G19K	Purcell MOUNT	88.24	8	P	P	00 50 15.5 +0.9
XLT	XiLinHaoTe	88.27	319	eP	P	00 50 15.5 +0.1
XLT	XiLinHaoTe	88.27	319	eP	P	00 50 15.5 +0.1
RIDG	Independent Ri	88.28	14	P	P	00 50 15.3 +0.4
F18K	Selawik	88.35	7	P	P	00 50 15.1 0.0
VNA1	Neumayer-Stat	88.38	177	↑P	P	00 50 14.3 -1.1
VNA1	Neumayer-Stat	88.38	177	↑P	P	00 51 52.0 -1.0
HDA	Harding Lake	88.40	13	P	P	00 50 15.7 +0.3
XAN	Xt'an	88.40	307	↓P	P	00 50 17.0 +0.8
XAN	Xt'an	88.40	307	↓P	P	00 50 17.0 +0.8
N30M	Aishikik Lake	88.41	18	P	P	00 50 16.0 +0.4
L27K	Beaver Creek	88.42	16	P	P	00 50 15.9 +0.3
H21K	Melozitna Rive	88.43	10	P	P	00 50 15.8 +0.3
BCAR	Beaver Creek A	88.44	16	P	P	00 50 16.2 +0.6
DLBC	Dease Lake	88.44	23	P	P	00 50 16.1 +0.3
WHY	Whitese Horse	88.45	20	P	P	00 50 15.9 +0.1
I23K	Minto, Yukon-K	88.58	12	I	Amb	00 50 16.9
I23K	Minto, Yukon-K	88.58	12	P	P	00 50 16.2 0.0
E17K	Hotham Inlet	88.58	6	P	P	00 50 16.6 +0.5
SRDT	SRDT	88.59	286	P	P	00 50 19.6 +2.2
COLA	College	88.62	12	P	P	00 50 16.2 +0.5
COLA	College	88.62	12	P	P	00 50 16.6 +0.2
SCRK	Sand Creek	88.68	14	I	Amb	00 50 17.2 +0.3
SCRK	Sand Creek	88.68	14	P	P	00 50 17.9
SCRK	Sand Creek	88.68	14	P	P	00 50 17.3 +0.5
S22A	4UR Ranch, Cre	88.69	49	P	P	00 50 17.5 -0.3
DLMT	Dillon	88.71	40	I	Amb	00 50 20.1
ILAR	Eielson Array	88.73	13	P	P	00 50 16.7 -0.2
ILAR	Eielson Array	88.73	13	P	P	00 52 03.9 -0.1
TPAW	Teton Pass	88.75	42	I	Amb	00 50 20.5
P33M	Teslin, Yukon	88.78	21	P	P	00 50 17.5 +0.2
R33M	Jennings River	88.80	22	P	P	00 50 18.5 +0.9
M29M	Somme Creek	88.80	17	P	P	00 50 17.7 +0.2
F19K	Shalerucik Mo	88.80	8	P	P	00 50 17.4 +0.2
N31M	Braeburn, Yuko	88.82	19	P	P	00 50 17.2 -0.3
H22K	Ishtalina Cre	88.89	11	P	P	00 50 17.9 +0.2
J25K	Salcha River,	88.92	13	P	P	00 50 17.6 -0.3
POKR	Poker Plat Res	88.92	12	P	P	00 50 18.4 +0.6
LOHW	Long Hollow	89.03	42	P	P	00 50 20.2 +1.0
LOHW	Long Hollow	89.03	42	I	Amb	00 50 21.0
E18K	Tukpahleark C	89.03	7	P	P	00 50 18.6 +0.3
HIA	Hailar	89.05	325	P	P	00 50 19.5 +0.7
D17K	Noatak River	89.06	6	P	P	00 50 18.5 +0.1
G21K	Allakaket	89.11	10	P	P	00 50 19.1 +0.5
FLWY	Flagg Ranch	89.20	42	I	Amb	00 50 22.8
J26L	Joseph Creek	89.22	14	P	P	00 50 20.2 +0.8
PD31	Pinedale Array	89.27	43	I	Amb	00 50 22.0
PDAR	Pinedale Array	89.27	43	P	P	00 50 21.3 +1.0
F20K	Avarart Lake	89.28	9	P	P	00 50 19.7 +0.3
YHL	Hebgen Lake	89.30	41	I	Amb	00 50 23.6
M30M	Minto, Yukon	89.38	18	I	Amb	00 50 22.6
M30M	Minto, Yukon	89.38	18	P	P	00 50 20.9 +0.8
N32M	Quiet Lake	89.40	20	P	P	00 50 21.3 +1.1
BOZ	Bozeman (W)	89.41	40	I	Amb	00 50 23.4
RDOG	Red Dog Mine	89.42	6	I	Amb	00 50 21.8
RDOG	Red Dog Mine	89.42	6	P	P	00 50 20.7 +0.6
L29M	L29M	89.43	17	P	P	00 50 21.3 +1.0
C16K	Lisburne Hills	89.43	5	I	Amb	00 50 22.3
C16K	Lisburne Hills	89.43	5	P	P	00 50 20.8 +0.8
BILL	Bilbino	89.47	354	P	P	00 50 20.7 +0.5
BILL	Bilbino	89.47	354	I	Amb	00 50 23.1
E19K	Redstone River	89.47	8	P	P	00 50 20.4 +0.1
KMI	Kumming	89.56	297	↓P	P	00 50 23.5 +1.5

KMI	comp=Z,41nm,1.1s					
HHC	Hu-ho-hao-te	89.66	314	eP	P	00 50 22.0 0.0
HHC	Hu-ho-hao-te	89.66	314	eP	P	00 50 22.0 0.0
HHC	comp=Z,16nm,0.8s					
PRP	Porcupine Dome	89.67	13	I	Amb	00 50 23.3
PRP	Porcupine Dome	89.67	13	P	P	00 50 21.8 +0.3
DRI0	Del Rio	89.73	58	I	Amb	00 50 24.7
F21K	Alatna River	89.77	9	P	P	00 50 22.3 +0.6
M31M	Drury Creek, Y	89.79	19	P	P	00 50 22.6 +0.6
G22K	Bettes	89.80	10	P	P	00 50 22.7 +0.9
C17K	DeLong Mountai	89.81	5	P	P	00 50 22.4 +0.5
G23K	Bananza Creek	89.86	11	P	P	00 50 23.0 +0.8
DAWY	Dawson	89.87	16	P	P	00 50 20.0 +0.7
I26K	Coal Creek Min	90.00	14	P	P	00 50 23.6 +0.8
EGAK	Agassiz	90.02	15	P	P	00 50 23.7 +0.8
YNE	Yellowstone No	90.10	41	I	Amb	00 50 27.0
FARO	Far Yukon	90.13	19	P	P	00 50 25.0 +1.5
T25A	Trinidad	90.13	50	P	P	00 50 24.3 -0.1
C18K	Utukok River	90.16	6	I	Amb	00 50 24.9
C18K	Utukok River	90.16	6	P	P	00 50 24.7 +1.1
K29M	Barlow Dome	90.18	17	P	P	00 50 24.6 +0.7
833A	Chapparral WMA,	90.27	60	P	P	00 50 24.7 -0.2
CMAR	Chiang Mai Arr	90.27	290	P	P	00 50 26.8 +1.6
CMAR	Chiang Mai Arr	90.27	290	P	P	00 50 26.8 +1.6
COLD	Coldfoot	90.30	10	P	P	00 50 25.3 +1.2
G24K	Hadweznic Riv	90.32	12	P	P	00 50 24.3 +0.1
D19K	Kuna River	90.34	7	P	P	00 50 24.7 +0.3
E20K	Nigu River	90.36	8	P	P	00 50 25.1 +0.6
CHTO	Chiang Mai	90.40	290	P	P	00 50 26.9 +1.1
MAYO	Mayo, Yukon	90.43	17	P	P	00 50 26.0 +1.2
J29N	Klondike Camp	90.49	16	P	P	00 50 26.6 +1.6
TOAD	Toad River Com	90.53	24	P	P	00 50 26.8 +1.1
BTO	Baotou	90.59	314	eP	P	00 50 27.8 +1.5
BTO	Baotou	90.59	314	eP	P	00 52 12.0 +1.0
BTO	Baotou	90.59	314	eP	P	00 52 12.0 +1.0
BTO	comp=Z,44nm,1.0s					
I27K	Kandik River	90.60	14	P	P	00 50 27.2 +1.5
RLMT	Red Lodge	90.61	41	I	Amb	00 50 29.1
D20K	Eden River	90.73	8	P	P	00 50 26.7 +0.6
N23A	Red Feather La	90.75	46	P	P	00 50 27.2 -0.1
B18K	Kokolik River	90.79	6	P	P	00 50 26.8 +0.4
E21K	Kilik River	90.83	9	P	P	00 50 26.9 +0.3
HNDO	Hondo	90.84	59	I	Amb	00 50 30.2
I28M	Miner Creek	90.87	15	I	Amb	00 50 28.5
I28M	Miner Creek	90.87	15	P	P	00 50 27.2 +0.2
PZH	Panzhihua	90.92	298	P	P	00 50 29.0 +0.8
PZH	Panzhihua	90.92	298	P	P	00 50 29.0 +0.8
PZH	comp=Z,30nm,0.9s					
F24K	Squaw Lake	90.97	11	P	P	00 50 28.0 +0.7
J30M	Hart River	91.08	17	P	P	00 50 28.4 +0.4
H27K	Steanboat Moun	91.14	14	P	P	00 50 29.0 +0.8
E23K	Chandler	91.15	10	P	P	00 50 29.5 +1.4
I29M	Ogilvie Camp,	91.19	16	P	P	00 50 29.9 +1.5
G26K	Porcupine Rive	91.26	13	P	P	00 50 30.0 +1.4
E24K	Your Creek	91.35	11	P	P	00 50 30.2 +1.1
C21K	Knifeblade Rid	91.38	8	P	P	00 50 30.2 +1.0
D22K	Aiyikyak River	91.42	9	P	P	00 50 30.2 +0.9
F25K	Christian River	91.45	12	P	P	00 50 30.8 +1.3
BMAR	Burnt Mountain	91.51	12	P	P	00 50 30.5 +0.6
I30M	Mount Dempster	91.58	16	P	P	00 50 31.3 +1.0
G27K	Doyon Strip	91.60	14	P	P	00 50 31.6 +1.3
TOLK	Toolik Lake Re	91.68	10	P	P	00 50 31.5 +0.9
D23K	Nanushuk River	91.80	10	P	P	00 50 32.2 +1.1
F26K	Sheenjek River	91.83	12	P	P	00 50 32.7 +1.4
KOTAK	Kotanelee Air	91.83	24	P	P	00 50 33.0 +1.6
H29M	Whitestone	91.87	15	P	P	00 50 33.0 +1.5
E25K	Arctic Village	91.92	12	P	P	00 50 33.3 +1.6
D24K	Happy Valley	92.26	10	P	P	00 50 34.6 +1.4
EPYK	Eagle Plains	92.40	15	P	P	00 50 34.6 +0.6
G29M	Pine Creek	92.51	15	P	P	00 50 35.5 +1.1
YAK	Yakutsk	92.52	338	P	P	00 50 34.2 -0.2
YAK	Yakutsk	92.52	338	P	P	00 50 34.0 -0.4
H31M	Peel River	92.57	17	P	P	00 50 35.0 +0.3
F28M	Old Crow	92.66	14	P	P	00 50 36.4 +1.3
B22K	Teshekpuk Lake	92.66	8	P	P	00 50 35.8 +0.9
E27K	Coleen River	92.76	13	P	P	00 50 36.6 +1.0
C24K	Franklin Bluff	92.79	10	P	P	00 50 36.3 +0.7
D25K	Kavik River	92.82	11	P	P	00 50 36.9 +1.1
PLPT	Palo Pinto	92.89	56	P	P	00 50 37.6 +0.6
PLPT	Palo Pinto	92.89	56	I	Amb	00 50 38.9
G30M	toAh Zraii Nji	93.00	15	P	P	00 50 37.5 +0.8
LZH	Lanzhou	93.04	307	eP	P	00 50 39.3 +1.5
LZH	Lanzhou	93.04	307	eP	P	00 53 11.0 -2.8
A22K	Sinclair Lake	93.09	7	P	P	00 50 37.9 +1.0
G31M	Satah River	93.44	16	P	P	00 50 39.2 +0.6
E28M	Babbage River	93.54	13	P	P	00 50 40.2 +1.1
C27K	Jago River	93.56	11	P	P	00 50 40.3 +1.1
C26K	Camden Bay	93.60	11	P	P	00 50 40.3 +1.0

F30M	Barrier River	93.60	15	P	P	00 50 40.3 +0.9
E29M	Blow River	93.73	14	P	P	00 50 40.7 +0.8
D27M	Malcolm River	93.77	12	P	P	00 50 41.3 +1.1
F31M	Tsighetchic	93.97	16	P	P	00 50 41.6 +0.6
INK	Inuvik	94.68	15	P	P	00 50 43.9 -0.3
INK	Inuvik	94.68	15	I	Amb	00 50 52.7
INK	Inuvik	94.68	15	P	P	00 50 45.0 +0.8
ULN	Ulaanbaatar	95.70	319	P	P	00 50 48.8 -0.8
ULN	Ulaanbaatar	95.70	319	I	Amb	00 50 50.3
S0NM	Songino Array	96.09	319	P		

30k Oh

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Dikmen, Eskdalemuir, Soroka, Gorka Klastorz, etc.

2019 JAN

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MOX, SGRN, Singureni, Buzias, etc.

1742

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CEY, SKDAS, Skavadancia, etc.

H10N2	ASCENSION HYDR9.03	22	T	T	01 59 47.0
RCBR	Riachuelo	49.40 353	LR	LR	01 25 44.9
LBTB	Lobate	50.82 77	P	IAMB	01 07 10.1 -0.1
TSUM	Tsumeb	51.17 65	LR	LR	01 24 12.6
LSZ	Lusaka	60.08 73	LR	LR	01 30 31.8
BOAV	Boa Vista	62.37 326	P	IAMB	01 08 31.1 -1.1
BOAV	Boa Vista	62.37 326	eP	P	01 08 31.9 -0.3
DBIC	Dimbokro	65.35 29	LR	LR	01 31 53.8
OTAV	Otavalo	67.45 307	P	IAMB	01 09 06.0 +0.1
OTAV	Otavalo	67.45 307	eP	P	01 09 07.1 +1.2
SDV	Santo Domingo	71.95 318	IAMB	IAMB	01 09 32.9 -0.4
SDV	Santo Domingo	71.95 318	eP	P	01 09 33.5 +0.3
TORD	Torodi Ar	73.42 33	P	LR	01 09 41.7 0.0
TORD	Torodi Ar	73.42 33	LR	LR	01 36 59.9
KMBO	Kilima Mbogo	76.74 72	LR	LR	01 41 57.5
JTS	Las Juntas de	79.30 306	P	IAMB	01 10 14.8 -0.4
JTS	Las Juntas de	79.30 306	IAMB	IAMB	01 10 20.6
MTOS	Montecristo	84.95 304	P	IAMB	01 10 44.0 -1.0
MTOS	Montecristo	84.95 304	IAMB	IAMB	01 10 45.9
TEIG	Tepeich	89.51 308	P	P	01 11 06.8 +0.2
ASAR	Alice Springs	100.38 166	PP	PP	01 16 02.1 +0.3
MSU	Marysville	116.10 300	PKPdf	PKPKP	01 16 52.5 +0.1
DUG	Dugway, Tooele	117.71 301	PKPdf	PKPKP	01 16 55.6 +0.2
ULM	Lac du Bonnet	118.20 319	PKP	PKPKP	01 16 56.8 +1.1
FXWY	Fox Creek	119.48 305	PKPdf	PKPKP	01 16 58.8 0.0
BLMT	Black Mt	122.72 303	PKPdf	PKPKP	01 17 05.2 +0.1
PLID	Pear Lake	122.94 303	PKPdf	PKPKP	01 17 05.3 0.0
BMO	Blue Mountains	123.40 302	PKPdf	PKPKP	01 17 05.7 -0.3
GO8A	Pilot Rock	124.52 301	PKPdf	PKPKP	01 17 08.4 +0.2
FINES	FINESS Array B	124.64 29	PKP	PKPKP	01 17 06.9 -0.8
CMAR	Chiang Mai Arr	127.33 114	PKP	PKPdf	01 17 12.9 -1.3
KSH	Kashi	130.39 76	PKP	PKPdf	01 17 17.3 -2.3
ARCES	ARCES Array B	130.96 23	PKP	PKPKP	01 17 19.4 -0.2
YKA	Yellowknife Ar	134.15 320	PKP	PKPdf	01 17 25.4 -0.3
YKA	Yellowknife Ar	134.15 320	SKPbc	SKPbc	01 20 53.4 -1.4
PZH	Panzhihua	135.37 110	PKP	PKPdf	01 17 29.5 +0.1
MKH	Makhanchi Array	138.62 73	PKPKP	PKPpre	01 17 30.0
GOMU	GeerMu	138.80 94	PKP	PKPdf	01 17 34.0 -1.8
GOMU	GeerMu	138.80 94	PKPKP	PKPKP	01 17 35.5 +0.6
KURBB	Kurchatov Arra	138.86 66	PKPKP	PKPpre	01 17 31.2
INK	Inuvik	143.83 322	PKPpre	PKPKP	01 17 40.6
GTA	Gaotai	143.88 95	PKP	PKPdf	01 17 44.0 -0.5
ZALCV	Zalesovo Beam	143.90 305	PKP	PKPab	01 17 41.4 +0.4
BZVY	Beaver Creek	144.72 311	P	PKPbc	01 17 44.6 +0.5
H29M	Whitestone	144.97 318	P	PKPdf	01 17 45.4 +0.1
G29M	Pine Creek	145.04 319	P	PKPdf	01 17 45.6 +0.2
XAN	Xi'an	145.10 111	PKPbc	PKPbc	01 17 45.8 -0.4
XAN	Xi'an	145.10 111	PKPbc	PKPbc	01 17 45.8 +2.2
M27K	Edge Creek, AK	145.14 310	P	PKPbc	01 17 45.6 +0.1
BCAR	Beaver Creek A	145.34 312	P	PKPbc	01 17 47.5 -0.3
I28M	Miner Creek	145.34 316	P	PKPab	01 17 46.9 +0.7
L27K	Beaver Creek,	145.36 312	P	PKPab	01 17 47.0 +0.2
E29M	Blow River	145.41 321	P	PKPab	01 17 47.0 +0.8
EGAK	Eagle	145.63 315	P	PKPab	01 17 47.7 +0.5
F28M	Old Crow	145.93 320	PKPdf	PKPbc	01 17 47.9 +0.2
F28M	Old Crow	145.93 320	PKPbc	PKPbc	01 17 47.8 +0.2
L26K	Log Cabin Wild	146.00 311	P	PKPbc	01 17 48.3 +0.2
E28M	Babbage River	146.04 322	P	PKPbc	01 17 48.4 +0.3
I27K	Kandik River	146.06 316	P	PKPab	01 17 48.9 0.0
N25K	Chitina, Valde	146.09 308	P	PKPab	01 17 49.0 -0.1
H27K	Steamboat Moun	146.20 317	P	PKPab	01 17 49.1 -0.3
G27K	Doyon Strip	146.40 318	P	PKPbc	01 17 49.4 +0.3
J26L	Joseph Creek	146.54 314	P	PKPbc	01 17 49.9 +0.2
SCRK	Sand Creek	146.57 313	P	PKPbc	01 17 50.1 +0.3
HARP	HAARP	146.60 310	P	PKPbc	01 17 50.0 +0.1
I26K	Coal Creek Min	146.60 315	P	PKPbc	01 17 49.7 0.0
KLU	Klutina	146.65 308	P	PKPbc	01 17 50.2 +0.1
D27M	Malcolm River	146.69 322	P	PKPbc	01 17 50.5 +0.5
E27K	Coleen River	146.69 320	P	PKPbc	01 17 50.1 +0.2
P23K	Montague Islan	146.82 305	P	PKPab	01 17 51.2 -0.6
RIDG	Independent Ri	146.87 312	P	PKPbc	01 17 51.0 +0.4
PAX	Paxson	146.91 310	P	PKPbc	01 17 51.0 +0.2
M24K	Tolson, Glenn	146.96 309	PKPbc	PKPbc	01 17 51.5 +0.5
M24K	Tolson, Glenn	146.96 309	PKPbc	PKPbc	01 17 51.2 +0.3
G26K	Porcupine Rive	147.25 318	P	PKPbc	01 17 51.3 -0.2
K24K	Donnelly Dome	147.28 312	P	PKPbc	01 17 52.0 +0.2
J25K	Salcha River,	147.32 313	P	PKPbc	01 17 52.0 +0.1
LYN	LuoYang	147.38 114	PKPbc	PKPbc	01 17 52.5 -0.4
LYN	LuoYang	147.38 114	SKPbc	SKPbc	01 17 57.5
SCM	Sheep Creek Mo	147.39 308	P	PKPbc	01 17 52.4 +0.2
F26K	Sheenjek River	147.54 319	P	PKPbc	01 17 53.0 +0.6
PWL	Port Wells	147.55 306	P	PKPbc	01 17 52.9 +0.3
M23K	Glacier View	147.56 308	P	PKPbc	01 17 53.2 +0.7
PRP	Porcupine Dome	147.61 315	P	PKPKP	01 17 54.1 -0.6
BMAR	Burnt Mountain	147.65 319	PKPbc	PKPbc	01 17 53.0 +0.4
FYU	Fort Yukon	147.72 317	PKPbc	PKPbc	01 17 53.4 +0.9
KNK	Knik Glacier	147.78 307	P	PKPbc	01 17 53.9 +0.8
SEW	Seward	147.83 304	P	PKIKP	01 17 54.2 -0.9
SML	Sawmill	147.84 308	P	PKIKP	01 17 54.4 -0.9
H25L	Birch Creek	147.89 316	P	PKIKP	01 17 54.7 -0.4
HDA	Harding Lake	147.93 313	P	PKIKP	01 17 54.8 -0.5
ILAR	Eielson Array	148.00 313	PKPbc	PKPbc	01 17 53.5 -0.1
F25K	Christian Rive	148.08 319	P	PKPbc	01 17 54.3 +0.5
GHO	Glory Hole Cre	148.10 307	PKPbc	PKPbc	01 17 54.4 +0.3
PMR	Palmer	148.14 307	PKPKP	PKPKP	01 17 55.1 -0.6

E25K	Arctic Village	148.14 320	PKPbc	PKPbc	01 17 54.4 +0.4
E25K	Arctic Village	148.14 320	P	PKPKP	01 17 55.1 -0.6
BRSE	Bradley Lake S	148.32 303	P	PKPbc	01 17 54.9 +0.3
COLA	College	148.42 313	P	PKIKP	01 17 55.6 -0.7
NJ2	Nanjing	148.56 125	eP	PKPdf	01 17 53.5 +1.1
KDAD	Kodiak Island	148.56 299	PKPbc	PKPbc	01 17 55.7 +0.5
KDAD	Kodiak Island	148.56 299	PKPbc	PKPbc	01 17 56.0 +0.7
D25K	Kavik River	148.60 322	P	PKIKP	01 17 56.1 -0.5
MCK	McKinley	148.62 311	P	PKIKP	01 17 56.3 -0.4
G24K	Hadzweenz Riv	148.63 317	P	PKIKP	01 17 56.3 -0.3
H24K	Noodor Dome	148.63 315	P	PKPbc	01 17 55.2 -0.1
M22K	Willow	148.64 307	P	PKPbc	01 17 55.8 +0.5
OHAK	Old Harbor	148.72 298	P	PKPbc	01 17 55.7 0.0
Q20K	Shuyak Island	148.76 301	P	PKPbc	01 17 56.1 +0.3
SUA	Susitna One	148.84 306	P	PKPbc	01 17 56.3 +0.3
NEA2	Nena	148.87 313	P	PKPbc	01 17 56.3 +0.4
FUT	Chulitna	148.88 308	P	PKPbc	01 17 56.3 +0.4
C24K	Squaw Lake	148.92 318	P	PKPbc	01 17 56.6 +0.6
SII	Sitkinak Islan	148.93 296	PKPbc	PKPbc	01 17 56.5 +0.2
SII	Sitkinak Islan	148.93 296	PKPbc	PKPbc	01 17 56.6 +0.2
I23K	Minto, Yukon-K	149.10 314	P	PKIKP	01 17 57.2 -0.4
TRF	Thorofare Moun	149.14 310	P	PKPbc	01 17 56.9 +0.1
E24K	Your Creek	149.22 319	P	PKIKP	01 17 57.4 -0.5
SKT	Skwentna	149.34 307	P	PKPbc	01 17 57.2 +0.1
CHIR	Chirikof Islan	149.40 294	P	PKPbc	01 17 57.3 -0.1
R18K	Kariak	149.43 298	P	PKPbc	01 17 57.6 +0.2
SPCR	Spurr Chakacha	149.45 306	P	PKPbc	01 17 57.6 +0.1
C24K	Franklin Bluff	149.45 323	P	PKIKP	01 17 58.0 -0.2
D24K	Happy Valley	149.45 322	P	PKPbc	01 17 57.5 +0.3
Q19K	Cap Douglas,	149.48 301	P	PKPbc	01 17 58.1 +0.5
BPAW	Bear Paw Mtn.	149.59 311	PKPbc	PKPbc	01 17 57.4 -0.3
BPAW	Bear Paw Mtn.	149.59 311	PKPbc	PKPbc	01 17 57.6 -0.1
G23K	Baranof Creek	149.63 317	P	PKPbc	01 17 58.3 +0.5
E23K	Chandler	149.64 319	P	PKIKP	01 17 58.5 -0.3
NRIK	Norik	149.65 38	PKPbc	PKPbc	01 17 57.5 -0.1
TOLK	Toolik Lake Re	149.68 320	P	PKIKP	01 17 58.6 -0.3
COLD	Coldfoot	149.77 318	P	PKIKP	01 17 58.9 -0.1
PPLA	Peytoyppile	149.86 309	P	PKIKP	01 17 59.3 -0.2
CAST	Castle Rocks	149.92 310	P	PKIKP	01 17 59.3 -0.2
M20K	Styx River	150.05 307	P	PKIKP	01 17 59.7 -0.1
H22K	Ishlithina Cre	150.06 315	P	PKIKP	01 17 59.8 +0.2
D23K	Nanushuk River	150.10 321	P	PKIKP	01 18 00.0 +0.4
CHUM	Lake Minchumin	150.12 311	P	PKIKP	01 17 59.4 -0.4
O19K	Port Alsworth	150.18 303	P	PKPbc	01 17 59.1 -0.1
I21K	Tanana	150.20 313	P	PKPbc	01 17 59.4 +0.3
G22K	Bettles	150.24 317	P	PKIKP	01 17 59.8 -0.2
Q17K	Contact Creek	150.38 299	P	PKPbc	01 17 59.5 -0.4
P18K	Big Mountain,	150.40 301	P	PKPbc	01 17 59.3 -0.5
N19K	Bonanza Creek	150.42 304	P	PKPbc	01 17 59.6 -0.3
O18K	Koktuh Hills	150.51 302	PKPbc	PKPbc	01 17 59.5 -0.6
O18K	Koktuh Hills	150.51 302	PKPbc	PKPbc	01 17 59.8 -0.2
L20K	Farewell, AK	150.53 308	P	PKIKP	01 18 00.6 -0.2
H21K	Melozitina Riv	150.61 314	P	PKIKP	01 18 01.0 +0.2
HNS	HongShan	150.72 113	PKPbc	PKPbc	01 18 01.3 +0.1
K20K	Telida	150.79 309	P	PKPbc	01 18 00.5 -0.1
D22K	Aiyikyak River	150.82 321	P	PKIKP	01 18 01.2 +0.1
Q16K	Kivik Salmon	150.89 299	P	PKIKP	01 18 01.4 0.0
L19K	White Mountain	150.91 307	P	PKIKP	01 18 01.5 -0.1
P17K	Kivik River	150.93 300	P	PKIKP	01 18 01.3 -0.2
J20K	Nowitna River	150.96 311	P	PKIKP	01 18 01.3 -0.2
G21K	Allakaket	150.99 316	P	PKIKP	01 18 01.5 0.0
CHNK	Chignik	151.03 294	P	PKPbc	01 18 01.4 +0.1
F21K	Alatina River	151.04 317	P	PKIKP	01 18 01.6 -0.1
N18K	Kilae Creek	151.06 304	P	PKPbc	01 18 01.2 -0.1
TIA	Tai'an	151.06 118	PKPbc	PKPbc	01 18 01.8 -0.3
B22K	Teshchuk Lake	151.09 324	P	PKIKP	01 18 01.9 +0.3
CHNA	Chernabura Isl	151.12 291	P	PKIKP	01 18 01.9 -0.2
M18K	Stony River				

30d 1h

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Table with columns: ZON, eS, Sn, Time, Res. Includes station names like Tololo Observa, La Serena, Cerro Arco, etc.

Table with columns: CMIG, 9jum, 0.3s, baz=76, slow=6.3, S, Sn, Time, Res. Includes station names like Matias Romero, Santiago Nilte, Villahermosa, etc.

Table with columns: CRIG, Cruz Grande, 4.96 263f, eP, Sn, Time, Res. Includes station names like Yatepec, Benito Juarez, Merida, etc.

Table with columns: Station, Frequency, Class, Mode, Power, and other technical details. Includes stations like CJM, VERA, CMARA, etc.

Table with columns: Station, Frequency, Class, Mode, Power, and other technical details. Includes stations like P49A, MICO, Q24A, etc.

Table with columns: Station, Frequency, Class, Mode, Power, and other technical details. Includes stations like QLMT, PNTR, PAHR, etc.

30d 1h

Table with columns: AC02, Maricunga, 50.15 151, P, P, 01 54 49.4 +0.3, 01 54 52.3, EGAK Eagle, 56.87 338, P, I, Amb, 01 55 37.2 +0.4, 01 56 14.2, R18K Karluk, 59.75 327, P, P, 01 55 58.4 +1.5

2019 JAN

Table with columns: EGAK Eagle, 56.87 338, P, I, Amb, 01 55 37.2 +0.4, 01 56 14.2, R18K Karluk, 59.75 327, P, P, 01 55 58.4 +1.5

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Table with columns: R18K Karluk, 59.75 327, P, P, 01 55 58.4 +1.5, P19K Oil Pt, 59.75 330, P, P, 01 55 58.4 +1.4, SKT Skwentna, 59.75 333, P, I, Amb, 01 56 57.5

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like C24K Franklin Bluff, CHNA Chernabura Isl, I20K Naagdeneel, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like A21K Barrow, H16K Elim, E18K Tukohleirik C, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BSTI MEM Membach, MEM MEM, MEM MEM, etc.

BDFB Brasilia 149.81 135 PKPbc PKPbc 02 13 26.4 -1.1
TORD Torodi Ar. Be... 02 13 31.3 -0.1

NEIC 30 01:59:34.8±2.2, 24.0±0.1, 179.7±0.2, h515km, 10km,
mb4.2/16, Error ellipse: s-maj=22.9km s-min=18.1km

IDC 30 01:59:35.6±1.9, 23.87±1.9, 82W, h524km, 19km, mb3.3/8,
mbmp4.3/11, Error ellipse: s-maj=21.4km s-min=18.2km

ISC 30 01:59:34.7±0.5, 23.94±0.08, 179.79W±0.09, h518km,
n37.7, ±191539, mb4.1/15, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include NSVSV, NIJUE, AFM, etc.

ARMA Armidale 26.19 249 P 02 04 28.7 +0.8
EIDS Eidsvold 26.50 261 P 02 04 31.2 +0.7

CTA Charters Tower 31.67 270 P 02 05 16.4 +0.8
CTAO Charters Tower 31.67 270 P 02 05 16.8 +1.2

STOA Toalangi 32.59 237 P 02 05 24.7 +1.5
TKK Stephens Creek 34.89 248 P 02 05 43.1 +0.5

BBOO Buckleboole 39.61 247 P 02 06 20.7 -0.7
AS31 Alice Springs 42.22 261 P 02 06 41.5 -0.8

ASAR Alice Springs 42.22 261 P 02 06 42.5 +0.2
ASAR 42.22 261 P 02 08 23.3 -1.2

WB2 Warrungarra Arr 42.59 266 P 02 06 44.5 -0.6
WB0 Warrungarra Arr 42.59 266 P 02 06 44.5 -0.8

WRA Warrungarra Arr 42.60 266 P 02 06 44.8 -0.5
MORW Forrest 46.48 250 P 02 07 13.0 -2.1

QSPA South Pole Qui 66.15 180 P 02 09 32.1 +1.7
BELA Belgrano 2 76.37 173 P 02 10 30.1 +0.2

BLYC Blythe 84.50 49 P 02 11 13.0 +0.1
SNAAS Snares 84.63 179 P 02 11 12.6 -0.5

TXAR Lajitas Array 90.28 58 P 02 11 42.1 +1.6
ILAR Eielson Array 92.02 13 P 02 11 47.3 -0.2

MKAR Makanchi Array 112.32 313 PKIKP PKIKP 02 17 10.3 -1.1
FRB Frobisher Bay 120.59 29 PKP PKPpdf 02 17 25.0 -1.7

HFS Hagfors 142.62 349 PKHkP PKPpre 02 18 05.1
AKASG Malin Array Be 145.11 327 PKPbc PKPpdf 02 18 12.7 +0.0

MMAI Mount Meron Ar 147.90 294 PKPbc PKPpdf 02 18 22.9 +1.0
EKA Eskdalemuir Ar 148.54 4 PKPbc PKPbc 02 18 22.2 -0.5

TORD Torodi Ar. Be 169.18 188 PKPab PKPab 02 19 59.2 +0.7
TAP 30 02:13:47.2±4.5, 24.5±0.1, 122.87E, h65km, ML2.6, C

JMA 30 02:13:47.3±0.1, 24.1±0.1, 122.9E±0.5, h65km, 1km,
ISC 30 02:13:47.3±1.4, 24.26±1.0, 122.91E±0.05, h67km, 8km,

n48.1, ±1800/84, Taiwan region
Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include JYNG, YOJ, EOS3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include OWD, WUSB, EHY, etc.

IDC 30 02:19:07.9±668.0, 56.5±2N, 61.61W, h0km, Error ellipse:
s-maj=1940.5km s-min=179.0km az=61.0, Labrador

I18DK QAANAAQ INFRA21 23 355 I 04 22 20.0
I42PT GRACIOSA ISLAND 28.15 114 I 05 11 00.0

I37NO I37NO 35.84 37 I 06 00 20.0
NEIC 30 02:20:33.4±1.8, 18.58±0.08, 145.6±0.1, h159km, 6km,

mb4.5/22, Error ellipse: s-maj=16.8km s-min=10.8km
IDC 30 02:20:36.3±0.8, 18.51±N, 145.72E, h197km, 7km, mb3.6/17,

mbmp4.1/19, Error ellipse: s-maj=19.2km s-min=8.8km
ISC 30 02:20:36.5±0.4, 18.45±N, 145.6E±0.1, h200km, n64,

±1500/67, mb4.2/33, Mariana Islands
Code Station Name Az Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include GUMO, JGF, MJAR, etc.

KSR5 Korea Array 24.48 324 P 02 25 35.7 -1.5
COEN Coen 32.30 184 P 02 26 46.7 0.0

KLR Kuldruf 32.69 343 P 02 26 49.4 -0.3
MTN Mantion Dam 34.23 206 P 02 27 04.1 +0.6

HHC Hu-ho-hao-te 36.73 315 eP 02 27 24.5 -0.2
HHC 36.73 315 pmax pmax
HHC 36.73 315 pmax pmax

KNRA Kununurra 37.77 207 P 02 27 34.0 +0.6
WB0 Warrungarra Arr 39.75 197 P 02 27 49.6 +1.3

WB2 Warrungarra Arr 39.73 197 P 02 27 51.0 +1.2
WRA Warrungarra Arr 39.73 197 P 02 27 50.9 +1.1

WRA 39.73 197 P 02 33 20.7 -1.4
FITZ Fitzroy Cross 41.30 210 P 02 28 03.8 +1.2

SONM Songino Array 43.30 322 P 02 28 18.4 -0.2
AS31 Alice Springs 43.40 196 P 02 28 21.4 +0.8

ASAR Alice Springs 43.40 196 P 02 28 20.6 +1.1
ASAR 43.40 196 P 02 33 35.2 -1.5

STKA Stephens Creek 50.19 184 P 02 29 12.8 +0.8
STKA 50.19 184 P 02 29 12.1 +0.1

FORT Forrest 51.79 199 P 02 29 23.7 -0.1
BBOO Buckleboole 51.79 199 P 02 29 25.0 +1.2

S12K Black Hills A 53.99 34 P 02 29 38.0 -1.6
M14K Bethel 56.05 28 P 02 29 55.1 +0.8

ANM Nome 56.44 23 P 02 29 57.4 +0.4
O16K Kokkok River B 57.38 30 P 02 30 04.7 +0.9

ZALV Zalesovo Beam 58.17 323 P 02 30 10.6 +1.3
MKAR Makanchi Array 58.59 314 P 02 30 12.7 +0.4

MKAR 58.59 314 P 02 30 58.1 +1.4
J20K Novinta River 60.70 26 P 02 30 27.5 +1.1

KURBB Kurchatov Arr 61.46 318 P 02 30 31.6 -0.2
KURBB 61.46 318 pP 02 31 17.1 +0.6

KTH Kantishna Hill 61.88 27 P 02 30 34.3 -0.1
I23K Mintso, Yukon-K 62.96 25 P 02 30 41.0 -0.4

TOLK Toolik Lake Re 63.84 22 P 02 30 48.3 +0.8
ILAR Eielson Array 63.89 26 P 02 30 46.3 -1.3

RIDG Independent Ri 64.56 27 P 02 30 51.4 -0.7
E25K Arctic Village 65.14 23 P 02 30 56.2 +0.5

BCAR Beaver Creek A 65.82 28 P 02 31 00.8 +0.6
BVAR Borovoye Array 66.63 320 P 02 31 06.0 +0.6

BVAR 66.63 320 P 02 31 51.2 +0.3
HYT Haines Junction 67.67 31 P 02 31 13.6 +1.7

INK Inuvik 69.62 23 P 02 31 23.5 -0.1
DLBC Dease Lake 71.53 33 P 02 31 36.8 +1.3

DLBC 71.53 33 P 02 32 20.2
I02E Swisshome, OR 77.76 47 P 02 32 13.0 +1.6

YKA Yellowknife Ar 78.23 28 P 02 32 13.7 0.0
DBO Dodson Butte 78.42 48 P 02 32 16.2 +0.9

L04D Klamath Falls 79.12 48 P 02 32 20.9 +0.7
RES Resolute Bay 79.67 14 P 02 32 21.3 0.0

PINE Pine Mountain 79.87 47 P 02 32 24.5 +1.2
ARCES ARCES Array B 82.71 342 P 02 32 37.0 -0.4

NVAR Mina Array Bea 83.34 52 P 02 32 42.1 +0.6
FINES FINESS Array B 87.08 335 P 02 32 57.5 -1.7

PDAR Pineda Array 88.04 45 P 02 33 03.8 -0.8
PV10 Paradox Valley 90.15 49 P 02 33 14.4 -0.2

PV10 90.15 49 P 02 33 15.8
HFS Hagfors 92.59 338 P 02 33 26.8 +1.8

MT01 Sierra Bellavi 143.73 122 PKPdf PKPbc 02 39 46.8 +0.6
BO02 Sierra Bellavi 143.84 124 PKPdf PKPdf 02 39 47.4 -0.0

MT09 Talagante 143.96 122 PKPdf PKPbc 02 39 47.1 0.0
BO04 La Punta 144.21 123 PKPdf PKPdf 02 39 48.6 -0.4

VA03 San Esteban 144.58 121 PKPbc 02 39 48.6 -0.3
LCO Las Campanas 145.24 114 PKPbc 02 39 52.0 +0.4

AC01 ILO Station P 145.97 109 PKPbc PKPab 02 39 54.0 -0.1
PB08 ILO Station P 147.16 99 PKPbc PKPab 02 39 58.1 -1.3

MACA Manacapurua-A 150.09 69 PKPbc PKPbc 02 40 03.9 -0.5
IDC 30 02:21:21.3±7.5, 29.84±N, 131.23E, h0km, mb3.7/4,

mbmp3.7/5, ML2.9/1, ML3.4/1, Error ellipse:
s-maj=145.8km s-min=68.3km az=119.0

JMA 30 02:21:26.6±0.2, 30.1±N, 0.6±131.3E±0.8, h23km, 1km,
MV3.3/23, E OFF TANEGASHIMA ISLAND

ISC 30 02:21:26.4±2.6, 30.00±N, 0.10±131.3E±0.1, h26km, 12km,
n18.0, ±48/20, mb3.7/4, Kyushu

Code Station Name Az Phase ID Time Res ISC
JMTN Minamitane 0.64 311 P 02 21 36.7 -0.2

JMTN Tanegashima 3 0.48 313 P 02 21 42.9 -0.1
JYAK Yakushimahira 0.72 283 P 02 21 47.5 -0.1

JYK Kuchinoerabu 1.04 291 eP 02 21 50.8 -0.4
JCS Nakanoshima 1.28 259 P 02 21 46.7 +0.1

JNAR Kuchino-Naru 1.44 358 P 02 21 51.8 -0.8
JNAR Nishikanakita 1.57 2 P 02 21 50.8 +0.1

JSU Suzuyama 1.60 333 P 02 21 53.3 +0.2
JNU Nakatsu 3.05 353 Pn 02 22 14.2 +1.2

JNU 3.05 353 Pn 02 22 48.9 +0.2
SONM Songino Array 26.09 320 P 02 26 57.7 -0.3

H1N2 WAKE ISLAND Hy 33.75 99 T 03 04 09.5
H1N1 WAKE ISLAND Hy 33.76 99 T 03 04 08.3

H1N3 WAKE ISLAND Hy 33.77 99 T 03 04 08.4
PSI Prapat 40.96 235 LR 02 45 46.2

MKAR Makanchi Array 41.16 308 P 02 29 08.2 -0.3
BVAR Borovoye Array 49.32 316 P 02 30 12.8 -0.3

FINES FINESS Array B 70.86 331 P 02 32 40.7 +0.1
IDC 30 02:21:45.7±1.4, 27.36±N, 128.88E, h0km, mb3.9/10,

mbmp3.9/11, ML3.4/1, MS3.4/3, Error ellipse:
s-maj=35.6km s-min=14.4km az=109.0

JMA 30 02:21:50.2±0.1, 27.3N±0.7, 127.9E±0.5, h25km, 2km,
MV3.8/16, NEAR OKINAWAJIMA ISLAND

JMA Felt J1 at NEAR OKINAWAJIMA ISLAND
NIED 30 02:21:50.2±0.1, 27.33N±128.95E, h25km, MW4.0, Moment

Tensor Solution, s2 Moment tensor: Scale 10^15Nm;
M=0.65; M=0.28; M=0.37; M=0.20; M=0.49; M=0.066;

F=244.00000; s28.00000; 1-53.00000; NP2=24.00000;
s68.00000; 1-108.00000

NEIC 30 02:21:50.2±1.8, 27.2N±0.1, 129.0E±0.05, h35km, 2km,
mb4.4/19, Error ellipse: s-maj=17.8km s-min=7.7km

ISC 30 02:21:48.9±1.2, 27.28±N, 128.97E±0.04, h24km, 9km,
n63.0, ±980/63, mb4.2/20, Ryukyu

Code Station Name Az Phase ID Time Res ISC
JOKE Okinoerabujima 0.36 283 P 02 21 57.7 -1.0

JTK Tokunoshima 0.51 359 P 02 21 59.5 +0.3
JTK Yoronjima 0.52 241 P 02 22 05.6 -0.6

JYK Kungami 0.76 234 P 02 22 13.9 -1.0
JOW Kungami 0.76 234 Pn 02 22 04.5 +0.3

JOW 0.76 234 Pn 02 22 18.9
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JOW 0.76 234 Pn 02 22 18.9

30d 2h

Table with columns: ID, Name, Az, El, SNR, etc. Includes stations like H11N3 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

NEIC 30 02:40:11.9.0.5, 34°41'0N, 0°008'.116°888'W, 0°008, h5km, 1km Error ellipse: s-maj=2.6km s-min=1.3km az=119.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BBRC Big Bear Solar, SVD Seven Oaks Dam, VTV Victorville, etc.

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Main table with columns: ID, Name, Az, El, SNR, etc. Includes stations like PSRC Murrieta, MURC Belle Mtn. Jos, BELC Cary Ranch, etc.

NOU 30 02:58:56.0, 17°48S: 172°02W, h108km, mb5.0/13, Tonga Islands Region
NEIC 30 02:59:28.3, 1.8, 18°55S: 0°09:175:50W:0°09, h25.1km, 5km, mb4.6/86, Error ellipse: s-maj=13.7km s-min=11.7km az=200.0

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Table with columns: ID, Name, Az, El, SNR, etc. Includes stations like DGTI Dogotuki, NIUE Niue, AFI Afiamalu, etc.

Table with columns: TA-pu, 75.01 301, P, P, 03 10 39.6, -2.6, 03 11 05.2, etc. Includes stations like TPUB, PEATK, PMPB, CHGN, ESJX, etc.

Table with columns: VNA1, Neumayer-Stat, 90.48 176, P, P, 03 12 00.7, 0.0, etc. Includes stations like MT01, W3A, PZH, YKA, A36M, etc.

Table with columns: TORD, comp=Z, 1.8nm, 1.0s, baz=197, slow=7, SNR=6.5, etc. Includes stations like KGS1, IGHG, BHD, etc.

MKAR	Makanchi Array	50.70 322	P	P	03 36 50.1 +1.6
MKAR	comp=Z,2.2nm,0.7s,baz=119,slow=8.4,SNR=180				
MKAR	ScP				
MKAR	comp=Z,4.0nm,0.8s,baz=120,slow=4.5,SNR=17.1				
SHLS	Shalkode	50.87 317	eP	P	03 36 49.4 -0.5
SHLS	Shalkode	50.87 317	eP	P	03 36 49.4 -0.5
MAKZ	Makanchi	50.90 322	P	I Amb	03 36 51.6 +1.6
MAKZ	comp=Z,2.2nm,1.0s				
MAKZ	Makanchi	50.90 322	P	P	03 36 51.6 +1.6
MAKZ	comp=Z,2.2nm,1.0s				
UZB	Uzynbulak	51.16 317	eP	P	03 36 53.6 +1.4
UZB	Uzynbulak	51.16 317	eP	P	03 36 53.6 +1.4
MA2	Magadan	51.39 16ceP		P	03 36 55.5 +2.1
MA2	comp=Z,2.3nm,2.5s				
MA2	Magadan	51.39 16	P	P	03 36 54.9 +1.5
KPKS	Kokpek	51.51 317	eP	P	03 36 56.0 +1.3
KPKS	Kokpek	51.51 317	eP	P	03 36 56.1 +1.3
CAN	Canberra	51.57 156	P	I Amb	03 36 55.1 -0.1
CAN	comp=Z,2.0nm,0.8s				
CAN	Canberra	51.57 156	P	P	03 36 55.0 -0.2
CAN	comp=Z,2.7nm,1.3s				
CAN	Canberra	51.57 156	P	P	03 36 55.1 -0.1
CAN	comp=Z,2.0nm,0.8s				
CAN	Canberra Magne	51.71 155	P	P	03 36 56.3 0.0
CAN	comp=Z,4.9nm,1.0s				
KSH	Kashi	52.01 311	P	sP	03 37 00.8 +2.2
KSH	comp=Z,4.0nm,0.9s				
KSH	Kashi	52.01 311	P	sP	03 37 37.3 +1.9
KSH	comp=Z,1.80nm,10.8s				
KSH	comp=Z,4.90nm,14.7s				
KSH	comp=Z,2.40nm,14.1s				
DZM	Mont Dzumac	52.04 130	P	P	03 36 58.6 -0.3
DZM	comp=Z,1.4nm,0.6s,baz=264,slow=9.2,SNR=10				
DZM	Mont Dzumac	52.04 130	P	P	03 36 58.8 -0.1
DZM	comp=Z,1.4nm,0.6s				
DZM	Mont Dzumac	52.04 130	P	P	03 36 58.9 0.0
DZM	comp=Z,1.4nm,0.6s				
DZM	Mont Dzumac	52.04 130	P	P	03 37 09.5 -2.3
TOO	Toolangi	52.28 160	P	P	03 37 00.9 +0.5
TOO	comp=Z,7.0nm,1.2s				
TOO	Toolangi	52.28 160	P	P	03 36 59.5 -0.9
TOO	comp=Z,7.0nm,1.2s				
TOO	Toolangi	52.28 160	P	P	03 37 00.9 +0.5
TDK	Taldyqorghan	52.31 319	eP	P	03 37 02.2 +1.6
TDK	Taldyqorghan	52.31 319	eP	P	03 37 02.2 +1.6
MDOK	Medeo	52.50 316	eP	P	03 37 03.5 +1.4
MDOK	Medeo	52.50 316	eP	P	03 37 03.5 +1.4
TNSS	Tian-Shan	52.52 316	eP	P	03 37 03.5 +0.9
TNSS	Tian-Shan	52.52 316	eP	P	03 37 03.5 +0.9
AAA	Alma-Ata	52.60 316	eP	P	03 37 04.3 +1.5
AAA	comp=Z,1.7nm,0.7s				
AAA	Alma-Ata	52.60 316	eP	P	03 37 04.3 +1.5
NIL	Nilore	52.62 304	P	I Amb	03 37 02.3 -0.8
NIL	comp=Z,1.6nm,0.8s				
NIL	Nilore	52.62 304	P	P	03 37 02.3 -0.8
NIL	comp=Z,1.6nm,0.8s				
ZAAO	Zalesovo Array	52.35 331	P	P	03 37 07.5 +0.2
ZALV	Zalesovo Beam	52.35 331	P	P	03 37 08.2 +0.9
ZALV	comp=Z,2.1nm,0.6s,baz=110,slow=6.4,SNR=8.9				
ZALV	LR				04 03 52.1
AAK	Ala-Archa	54.07 315	P	P	03 37 15.2 +1.5
AAK	comp=Z,4.0nm,18.2s,baz=94,slow=40				
AAK	Ala-Archa	54.07 315	P	P	03 37 15.2 +1.5
AAK	comp=Z,0.8nm,0.5s,baz=64,slow=5.4,SNR=4.6				
AAK	LR				04 03 19.9
AAK	Ala-Archa	54.07 315	P	P	03 37 15.3 +1.5
AAK	comp=Z,2.86nm,18.3s,baz=99,slow=39				
SEY	Seymchan	54.65 15ceP		P	03 37 20.1 +2.7
SEY	comp=Z,3.0nm,0.7s				
KURK	Kurchatov	54.72 325	P	P	03 37 19.6 +1.5
KURK	Kurchatov	54.72 325	P	P	03 37 19.6 +1.5
KURK	comp=Z,5.6nm,0.7s				
KURK	Kurchatov	54.72 325	P	P	03 37 19.8 +1.7
KURK	comp=Z,5.6nm,0.7s				
KURKB	Kurchatov Arra	54.73 325	sP	P	03 37 34.9 +0.3
KURKB	comp=Z,3.9nm,0.7s,baz=126,slow=7.0,SNR=200				
KURKB	LR				04 03 44.7
DRK	Karamyk	55.10 310	P	P	03 37 22.1 +0.7
DRK	comp=Z,3.3nm,0.4s				
DRK	Karamyk	55.10 310	P	P	03 37 22.1 +0.7
DRK	comp=Z,3.3nm,0.4s				
BTL	Baital	55.19 317	eP	P	03 37 22.6 +1.0
BTL	Baital	55.19 317	eP	P	03 37 22.6 +1.0
GAR	Garm	56.10 309	P	P	03 37 28.5 +0.1
KBL	Kabul	56.22 304	P	P	03 37 29.1 -0.3
KBL	Kabul	56.22 304	P	P	03 37 29.1 -0.3
DZA	Taraz	56.37 314	eP	P	03 37 31.2 +1.1
DZA	comp=Z,6.0nm,0.7s				
DZA	Taraz	56.37 314	eP	P	03 37 31.3 +1.1
DZA	comp=Z,7.0nm,0.7s				
CHGR	Chuyangaron	56.90 309	P	P	03 37 34.4 +0.3
CHGR	Chuyangaron	56.90 309	P	P	03 37 34.4 +0.3
CHGR	comp=Z,3.3nm,1.3s				
KK31	Karatay Array	57.00 314	iP	P	03 37 35.0 +0.4
KKAR	Karatay Array	57.00 314	P	P	03 37 34.8 +0.2
KKAR	Karatay Array	57.00 314	P	P	03 37 34.8 +0.2
KKAR	comp=Z,5.0nm,1.0s				
SIMJ	Simiganj	57.02 309	P	P	03 37 33.8 -1.1
SIMJ	Simiganj	57.02 309	P	P	03 37 35.1 +0.2
SIMJ	Simiganj	57.02 309	pP	P	03 37 45.8 -3.0
IUG	Iuzhnay	57.09 313	eP	P	03 37 36.5 +1.2
IUG	comp=Z,1.3nm,1.2s				
IUG	Iuzhnay	57.09 313	eP	P	03 37 36.5 +1.2
IUG	comp=Z,1.2nm,1.2s				
BRLS	Borolday	57.46 314	eP	P	03 37 39.1 +1.3
BRLS	Borolday	57.46 314	eP	P	03 37 39.1 +1.3
BRZS	Berezni	57.85 322	eP	P	03 37 41.7 +1.3
BRZS	Berezni	57.85 322	eP	P	03 37 41.8 +1.3
TIXI	Tiksi	60.04 1	P	I Amb	03 37 55.8 +0.7
TIXI	comp=Z,1.1nm,0.8s				
TIXI	Tiksi	60.04 1	P	P	03 37 56.1 +0.9
TIXI	comp=Z,1.3nm,0.8s				
TIXI	Tiksi	60.04 1	P	P	03 37 56.1 +0.9
TIXI	comp=Z,1.3nm,0.8s				
BVAR	Borovoye Array	60.32 325	iP	P	03 37 58.4 -1.8
BVAR	Borovoye Array	60.32 325	P	P	03 37 58.4 +0.9
BVAR	comp=Z,1.1nm,0.7s,baz=120,slow=8.8,SNR=44				
BVAR	Borovoye	60.39 325	eP	P	03 37 59.3 +1.3
BVAR	Borovoye	60.39 325	eP	P	03 37 59.6 +1.6
BVAR	comp=Z,2.7nm,1.0s				
BVAR	Borovoye	60.39 325	P	P	03 37 59.1 +1.1
BVAR	comp=Z,2.7nm,1.0s				
BVAR	Bilbino	62.26 16	P	P	03 38 10.1 -1.4
BVAR	Bilbino	62.26 16ceP		P	03 38 10.9 +0.6
BVAR	comp=Z,1.8nm,2.5s				
BVAR	Bilbino	62.26 16	P	P	03 38 11.7 +1.4
BVAR	comp=Z,1.8nm,2.5s				
BVAR	Bilbino	62.26 16	P	P	03 38 13.3 +0.6
BVAR	comp=Z,1.4nm,0.7s,baz=124,slow=6.6,SNR=22				
BVAR	LR				04 08 40.5
BVAR	comp=Z,7.8nm,18.2s,baz=146,slow=39				

AB31	Akbulak array	65.58 319	iP	P	03 38 32.8 +0.3
AB31	Akbulak array	65.58 319	iP	P	03 38 32.3 -0.1
AB31	comp=Z,1.4nm,0.7s				
SP1A	Saint Paul Isl	66.30 32	P	P	03 38 36.2 -0.7
SP1A	comp=Z,7.8nm,0.7s				
P08K	Saint George I	66.52 33	P	P	03 38 37.8 -0.5
P08K	comp=Z,1.4nm,0.8s				
SVE	Sverdlouvs	66.85 327ceP		P	03 38 41.8 +1.3
SVE	comp=Z,3.4nm,0.8s				
AKTO	Aktyubinsk	67.02 320	LR	LR	04 09 20.3
AKTO	comp=Z,100nm,18.4s,baz=40,slow=37				
AKTO	Aktyubinsk	67.02 320	P	P	03 38 41.8 +0.1
UNV	Unalaska Valle	67.58 36	P	P	03 38 43.9 -1.2
UNV	comp=Z,2.7nm,1.0s				
TOZ	Tahuroa Road	67.62 139	P	I Amb	03 38 46.7 +1.1
TOZ	comp=Z,1.2nm,1.1s				
GAMB	Gambell	67.66 25	P	P	03 38 44.6 -0.8
GAMB	comp=Z,2.0nm,0.8s				
ARTI	Arti	67.96 326	P	I Amb	03 38 47.0 -0.5
ARTI	comp=Z,1.6nm,0.8s				
ARTI	Arti	67.96 326	LR	LR	04 11 16.7
ARTI	comp=Z,1.15nm,18.5s,baz=52,slow=38				
ARTI	Arti	67.96 326	iP	P	03 39 48.3 +0.8
ARTI	comp=Z,1.15nm,18.5s				
ARTI	Arti	67.96 326	P	P	03 39 47.1 +5.3
ARTI	comp=Z,1.15nm,18.5s				
ARTI	Arti	67.96 326	P	P	03 47 01.4 -2.4
ARTI	comp=Z,1.15nm,18.5s				
ARTI	Arti	67.96 326	P	P	03 52 02.6 -2.5
ARTI	comp=Z,1.15nm,18.5s				
ARTI	Arti	67.96 326	P	P	03 38 47.8 +0.3
ARTI	comp=Z,1.15nm,18.5s				
THZ	Tophouse	68.50 144	P	P	03 38 58.8 -2.6
THZ	comp=Z,1.15nm,18.5s				
LBZ	Lake Benmore	68.72 147	P	P	03 38 51.0 -0.2
LBZ	comp=Z,1.15nm,18.5s				
RPZ	Rata Peaks	68.74 146	P	P	03 38 53.2 +0.8
RPZ	comp=Z,1.15nm,18.5s				
URZ	Urewera	68.96 139	LR	LR	04 12 24.7
URZ	comp=Z,4.0nm,18.3s,baz=350,slow=39				
RTZ	Ruatuhana	69.08 139	P	P	03 38 54.9 +0.1
RTZ	comp=Z,1.15nm,18.5s				
BKZ	Black Stump Fm	69.09 140	P	P	03 38 55.0 +0.2
BKZ	comp=Z,1.15nm,18.5s				
M11K	Makoruru	69.16 30	P	P	03 38 53.9 -1.0
M11K	comp=Z,1.15nm,18.5s				
TNA	Tin City	69.77 24	P	P	03 38 58.8 +0.2
TNA	comp=Z,1.15nm,18.5s				
K13K	Kusivak Mount	70.24 28	P	P	03 39 01.3 -0.2
K13K	comp=Z,1.15nm,18.5s				
F14K	Arc Creek	70.39 24	P	P	03 39 02.3 0.0
F14K	comp=Z,1.15nm,18.5s				
S12K	Black Hills	70.44 35	P	P	03 39 03.0 +0.1
S12K	comp=Z,1.15nm,18.5s				
ANM	Nome	70.54 25	P	P	03 39 03.8 +0.5
ANM	comp=Z,1.15nm,18.5s				
M13K	Dall Lake	70.55 30	P	P	03 39 03.9 +0.5
M13K	comp=Z,1.15nm,18.5s				

30d 3h

SPCR	Spurr Chakacha	76.06	30	P	P	03 39 34.9	-1.1
CHUM	Lake Minchumin	76.09	27	P	P	03 39 36.1	+0.1
PPLA	Purkeyle	76.11	28	P	P	03 39 33.5	-2.9
CAST	Castle Rocks	76.17	27	P	P	03 39 37.3	+0.8
CAST	Castle Rocks	76.17	27	P	P	03 39 34.9	-1.7
D22K	Aiyikyak River	76.19	22	P	P	03 39 38.3	+1.8
D22K	Aiyikyak River	76.19	22	P	P	03 39 35.3	-1.2
I21K	Tanana	76.28	25	P	P	03 39 38.3	+1.3
I21K	Tanana	76.28	25	P	P	03 39 36.1	-0.9
F22K	John River	76.30	23	P	P	03 39 36.3	-0.9
HOM	Home	76.31	31	P	P	03 39 35.6	-1.7
NCK	Nalchik	76.49	312	eP	pmx	03 39 38.8	+0.1
G22K	Bettles	76.54	24	P	P	03 39 37.6	-0.9
H22K	Ishaltina Cre	76.56	25	P	P	03 39 38.0	-0.6
CAPN	Captain Cook N	76.56	30	P	P	03 39 35.7	-3.0
RAYN	Ar Rayn	76.66	292	P	P	03 39 39.7	-0.4
RAYN	Ar Rayn	76.66	292	P	pmx	03 39 39.7	-0.4
BPBW	Bear Paw Mtn.	76.68	27	P	P	03 39 40.5	+1.1
BPBW	Bear Paw Mtn.	76.68	27	P	P	03 39 37.7	-1.7
SUA	Susitna One	76.77	29	P	P	03 39 37.8	-2.2
BRSE	Bradley Lake S	76.77	31	P	P	03 39 38.3	-1.7
D23K	Nanushuk River	76.92	22	Iamb	Iamb	03 39 44.0	
D23K	Nanushuk River	76.92	22	P	P	03 39 39.3	-1.3
KBZ	Khabaz	76.98	312	P	P	03 39 42.1	+0.7
TRF	Thorfare Moun	76.98	27	P	P	03 39 40.4	-0.9
CUT	Chulitna	76.98	28	P	P	03 39 40.1	-1.0
COLD	Coldfoot	77.06	23	Iamb	Iamb	03 39 44.6	
COLD	Coldfoot	77.06	23	P	P	03 39 40.5	-0.3
M22K	Willow	77.06	29	P	P	03 39 41.2	-0.3
KIV	Kislovodsk	77.12	313	P	P	03 39 43.6	+1.2
KIV	Kislovodsk	77.12	313	eP	pmx	03 39 43.5	+1.2
G23K	Bananza Creek	77.12	24	Iamb	Iamb	03 39 45.1	
G23K	Bananza Creek	77.12	24	P	P	03 39 41.5	-0.3
SHA1	Shidzhatmaz	77.15	312	iP	P	03 39 41.5	-1.2
RC01	Rabbit Creek A	77.25	30	P	P	03 39 42.6	0.0
E23K	Chandalar	77.29	23	Iamb	Iamb	03 39 46.2	
E23K	Chandalar	77.29	23	P	P	03 39 41.5	-1.3
TOLK	Toolik Lake Re	77.32	22	Iamb	Iamb	03 39 45.9	
TOLK	Toolik Lake Re	77.32	22	P	P	03 39 42.4	-0.5
VRH	Novokhopovorsk	77.36	320	eP	pmx	03 39 42.1	-1.3
I23K	Minto, Yukon-K	77.39	26	Iamb	Iamb	03 39 57.6	
I23K	Minto, Yukon-K	77.39	26	P	P	03 39 42.2	-1.0
SEW	Seaward	77.41	31	P	P	03 39 42.5	-1.0
NEA2	Nenana	77.52	26	P	P	03 39 43.3	-0.7
PMR	Palmer	77.54	29	P	P	03 39 43.1	-1.1
MCK	McKinley	77.59	27	P	P	03 39 43.2	-1.3
D24K	Happy Valley	77.59	21	Iamb	Iamb	03 39 47.4	
D24K	Happy Valley	77.59	21	P	P	03 39 43.8	-0.6
RND	Reindeer	77.63	27	Iamb	Iamb	03 39 46.3	
C24K	Franklin Bluff	77.64	21	Iamb	Iamb	03 39 47.3	
C24K	Franklin Bluff	77.64	21	P	P	03 39 43.5	-1.1
KNK	Knik Glacier	77.86	29	P	P	03 39 44.9	-1.2
SML	Sawmill	77.91	29	P	P	03 39 45.9	-0.5
PWL	Point Walls	77.94	30	P	P	03 39 45.9	-0.6
F24K	Squaw Lake	77.95	23	Iamb	Iamb	03 39 49.6	
F24K	Squaw Lake	77.95	23	P	P	03 39 45.9	-0.5
H24K	Noodor Dome	78.00	25	P	P	03 39 45.8	-1.0
COLA	College	78.03	26	P	P	03 39 46.3	-0.5
COLA	College	78.03	26	iP	pmx	03 39 46.9	+0.1
GURO	Guroymak-BITLI	78.04	307	Iamb	Iamb	03 40 03.6	
CCB	Clear Creek Bu	78.06	26	Iamb	Iamb	03 39 49.1	
G24K	Hadweenzic Riv	78.13	24	Iamb	Iamb	03 39 50.6	
G24K	Hadweenzic Riv	78.13	24	P	P	03 39 46.6	-0.9
KLMR	Klimovskoe	78.16	330	eP	pmx	03 39 46.2	-1.4
M23K	Glacier View	78.20	29	P	P	03 39 46.9	-1.0
POKR	Poker Plat Res	78.20	26	P	P	03 39 46.9	-0.9
SCM	Sheep Creek Mo	78.39	29	P	P	03 39 47.9	-1.1
HDA	Harding Lake	78.44	26	Iamb	Iamb	03 40 57.3	
HDA	Harding Lake	78.44	26	P	P	03 39 48.4	-0.8
P23K	Montague Islan	78.44	31	P	P	03 39 49.0	-0.3
ILAR	Eielson Array	78.45	26	P	P	03 39 48.8	-0.4
D25K	Kavik River	78.46	21	Iamb	Iamb	03 39 51.9	
D25K	Kavik River	78.46	21	P	P	03 39 48.9	-0.4
E25K	Arctic Village	78.81	22	Iamb	Iamb	03 39 54.4	
E25K	Arctic Village	78.81	22	P	P	03 39 50.3	-0.9
F25K	Christian Rive	78.81	23	Iamb	Iamb	03 39 54.6	
F25K	Christian Rive	78.81	23	P	P	03 39 50.4	-0.8
H25L	Birch Creek	78.82	24	P	P	03 39 50.5	-0.6
VORR	Voronetz	78.90	321	eP	P	03 39 50.4	-1.5

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VORR	comp-Z,10.0nm,0.9s						
VORD	Divnogorie	78.91	320	eP	pmx	03 39 49.9	-2.0
C26K	Camden Bay	78.95	21	P	P	03 39 51.0	-0.8
VSR	Storozhevoje	78.96	320	eP	pmx	03 39 49.5	-2.8
PRP	Porcupine Dome	78.98	25	P	P	03 39 51.6	-0.8
K24K	Donnelly Dome	78.98	27	P	P	03 39 51.6	-0.7
LPSR	Galich'ya Gora	79.00	322	eP	pmx	03 39 50.5	-1.9
Q23K	Middleton Isla	79.01	31	P	P	03 39 51.6	-0.8
KLU	Klutina	79.08	29	P	P	03 39 51.9	-0.9
J25K	Salcha River,	79.11	26	P	P	03 39 51.9	-1.1
PAX	Faxon	79.18	28	P	P	03 39 52.4	-0.9
BMAR	Burnt Mountain	79.23	23	P	P	03 39 55.3	+1.8
YAK	Cordova Ski Ar	79.23	30	P	P	03 39 53.3	-1.2
HARP	HAARP	79.27	28	P	P	03 39 53.5	-0.9
F26K	Sheenjek River	79.38	23	Iamb	Iamb	03 39 57.7	
F26K	Sheenjek River	79.38	23	P	P	03 39 53.3	-1.0
C27K	Jago River	79.38	21	Iamb	Iamb	03 39 57.4	
C27K	Jago River	79.38	21	P	P	03 39 53.5	-0.7
RIDG	Independent Ri	79.42	27	P	P	03 39 53.3	-1.2
G26K	Porcupine Rive	79.58	24	P	P	03 39 54.5	-0.8
N25K	Chitina, Valde	79.70	29	P	P	03 39 55.2	-1.1
BMRM	Bremner River	79.76	30	P	P	03 39 55.7	-0.8
SCRK	Sand Creek	79.76	27	P	P	03 39 55.9	-0.6
J26L	Joseph Creek	79.89	26	P	P	03 39 57.0	-0.2
KAIM	Kayak Island	79.95	31	P	P	03 39 58.0	+0.6
MENT	Mentasta	79.98	28	Iamb	Iamb	03 40 01.9	
I26K	Coal Creek Min	79.99	25	Iamb	Iamb	03 40 11.4	
I26K	Coal Creek Min	79.99	25	P	P	03 39 57.9	+0.3
L26K	Log Cabin Wild	80.14	28	P	P	03 39 57.6	-0.9
OBN	Obninsk	80.15	324	eP	pmx	03 39 59.3	+0.7
OBN	Obninsk	80.15	324	ePPP	pmx	03 40 06.6	
OBN	Obninsk	80.15	324	ePPP	pmx	03 44 48.6	
E27K	Coleen River	80.29	22	P	P	03 39 58.8	-0.4
M26K	Nabesna, AK	80.37	28	P	P	03 39 59.4	-0.4
D27M	Malcolm River	80.39	21	P	P	03 39 00.2	+0.5
G27K	Doyon Strip	80.43	24	P	P	03 39 59.3	-0.7
H27K	Steamboat Moun	80.55	24	P	P	03 40 00.7	0.0
I27K	Kandik River	80.59	25	P	P	03 40 00.8	-0.2
ANN	Anapa	80.79	314	eP	pmx	03 39 59.4	-2.9
ANN	Anapa	80.79	314	eSS	pmx	03 50 47.9	+1.7
L27K	Beaver Creek,	80.83	27	Iamb	Iamb	03 40 05.1	
L27K	Beaver Creek,	80.83	27	P	P	03 40 01.6	-0.6
EGAK	Eagle	80.89	26	P	P	03 40 02.0	-0.5
M27K	Edge Creek, AK	80.89	28	P	P	03 40 01.6	-1.1
E28M	Babbage River	80.99	22	Iamb	Iamb	03 40 05.8	
E28M	Babbage River	80.99	22	P	P	03 40 02.3	-0.6
F28M	Old Crow	81.01	23	Iamb	Iamb	03 40 05.9	
F28M	Old Crow	81.01	23	P	P	03 40 01.5	-1.6
D28M	Stokes Point	81.16	21	P	P	03 40 03.5	-0.2
I28M	Miner Creek	81.31	25	Iamb	Iamb	03 40 07.9	
I28M	Miner Creek	81.31	25	P	P	03 40 04.6	-0.2
BVCY	Beaver Creek	81.36	28	P	P	03 40 04.0	-1.0
E29M	Blow River	81.62	22	P	P	03 40 05.2	-1.0
YUK3	Moose Creek	81.64	29	P	P	03 40 06.1	-0.7
DAWY	Dawson	81.76	26	Iamb	Iamb	03 40 09.9	
DAWY	Dawson	81.76	26	P	P	03 40 06.5	-0.6
H29M	Whitestone	81.82	24	P	P	03 40 06.4	-1.0
G29M	Pine Creek	81.83	23	Iamb	Iamb	03 40 07.5	
G29M	Pine Creek	81.83	23	P	P	03 40 07.5	0.0
O28M	Mount Upton	81.92	30	P	P	03 40 07.0	-1.3
PINM	Pinnacle	82.00	30	P	P	03 40 07.1	-1.4
YUK8	Steele Glacier	82.04	29	P	P	03 40 06.5	-2.5
J29N	Klondike Camp	82.20	26	Iamb	Iamb	03 40 12.7	
J29N	Klondike Camp	82.20	26	P	P	03 40 08.0	-1.4
EPYK	Eagle Plains	82.45	24	P	P	03 40 09.3	-1.4
M29M	Somme Creek	82.45	28	Iamb	Iamb	03 40 15.3	
M29M	Somme Creek	82.45	28	P	P	03 40 09.9	-1.0
L29M	L29M	82.48	27	Iamb	Iamb	03 40 14.5	
L29M	L29M	82.48	27	P	P	03 40 10.1	-0.9
G30M	taoh Zraii Nji	82.52	23	P	P	03 40 10.1	-1.0
F30M	Bar River	82.55	22	P	P	03 40 10.4	-0.7
YUK4	Talbot Arm	82.56	29	P	P	03 40 10.5	-1.1
K29M	Barlow Dome	82.61	26	Iamb	Iamb	03 40 14.8	
K29M	Barlow Dome	82.61	26	P	P	03 40 10.0	-1.7
SPITS	Spitsbergen Ar	82.63	349	P	P	03 40 12.0	+0.6
YUK6	Outpost Mounta	8					

Table with columns: Code, Station Name, Az, Alt, IAML, and various numerical values. Includes entries like HIDR comp=N,11um,0.2s, AGPR comp=N,2um,0.6s, and many others.

Table with columns: Code, Station Name, Az, Alt, IAML, and various numerical values. Includes entries like HUMP Col San Antoni, LODU1 EI Espartillar, LOVI EI Cajulí, and many others.

Table with columns: Code, Station Name, Az, Alt, IAML, and various numerical values. Includes entries like ENA ECBN Changbin, ENA ECBN Changbin, ENA ECBN Changbin, and many others.

30d 5h

Table with columns for station code, name, frequency, and various performance metrics (P, S, Pn, PnSn, etc.) for stations like HHC, BTO, PSTR, etc.

2019 JAN

Table with columns for station code, name, frequency, and various performance metrics for stations like GTA, KSM, KSM, etc.

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Table with columns for station code, name, frequency, and various performance metrics for stations like ZEA, ZAK, PSI, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MA2 Magadan, H11N1 WAKE ISLAND, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like QIS Mount Isa, QIS Mount Isa, BRLS Boroladay, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like M11K Mekoryuk, ARMA Armidale, ARMA Armidale, etc.

30d 5h

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like L17K Donlin, F19K Shalercuk Mo, O16K Kokwok River B, etc.

2019 JAN

Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like SHA1 Shidzhatmaz, I21K Tanana, I21K Tanana, etc.

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Table with columns for station ID, name, elevation, and various performance metrics. Includes stations like OBN Obninsk, O22K Coeur d'Alene, WRH Wood River Hill, etc.

I26K	Coal Creek Min	70.56	26	P	P	05 32 47.4	-0.7
J26L	Joseph Creek	70.58	27	P	P	05 32 47.2	-1.2
KBS	Kingsley	70.72	349	eP	P	05 32 48.0	-0.8
G27K	Doyon Strip	70.77	25	P	P	05 32 49.5	+0.1
N25K	Chitina, Valde	70.84	30	IAMB	IAMB	05 32 52.6	
N25K	Chitina, Valde	70.84	30	P	P	05 32 49.6	-0.4
MENT	Mentasta	70.91	29	P	P	05 32 50.1	-0.2
H27K	Steamboat Moun	70.97	25	P	P	05 32 50.9	+0.3
BMRM	Bremner River	71.00	31	IAMB	IAMB	05 32 51.3	
BMRM	Bremner River	71.00	31	P	P	05 32 50.2	-0.7
L26K	Log Cabin Wild	71.05	29	P	P	05 32 51.9	
L26K	Log Cabin Wild	71.05	29	P	P	05 32 50.8	-0.4
E28M	Babbage River	71.06	23	IAMB	IAMB	05 32 51.9	
E28M	Babbage River	71.06	23	P	P	05 32 51.2	+0.1
I27K	Kandik River	71.10	26	P	P	05 32 51.4	0.0
D28M	Stokes Point	71.12	22	P	P	05 32 51.0	0.0
F28M	Old Crow	71.21	24	P	P	05 32 52.2	+0.2
KTK1	Kautokeino	71.33	338	eP	IAMB	05 32 52.1	-0.6
KTK1	Kautokeino	71.33	338	IAMB	IAMB	05 33 00.3	
KAIM	Kayak Island	71.35	32	P	P	05 32 53.2	+0.2
M26K	Nabesna, AK	71.37	29	P	P	05 32 53.0	-0.2
VRDI	Verde Repeater	71.47	31	IAMB	IAMB	05 32 54.3	
EGAK	Eagle	71.51	27	IAMB	IAMB	05 32 54.5	
EGAK	Eagle	71.51	27	P	P	05 32 53.3	-0.6
E29M	Blow River	71.70	23	P	P	05 32 54.5	-0.4
L27K	Beaver Creek	71.71	29	IAMB	IAMB	05 32 56.4	
L27K	Beaver Creek	71.71	29	P	P	05 32 55.2	0.0
BCAR	Beaver Creek A	71.72	28	P	P	05 32 55.4	+0.2
I28M	Miner Creek	71.81	26	IAMB	IAMB	05 32 57.3	
I28M	Miner Creek	71.81	26	P	P	05 32 56.0	+0.2
M27K	Edge Creek, AK	71.88	29	IAMB	IAMB	05 32 57.4	
M27K	Edge Creek, AK	71.88	29	P	P	05 32 56.5	+0.1
JETT	Jettan, Norway	72.11	339	eP	IAMB	05 32 57.2	-0.2
JETT	Jettan, Norway	72.11	339	IAMB	IAMB	05 33 10.8	
G29M	Pine Creek	72.11	24	P	P	05 32 57.4	-0.1
ISLE	Juniper Island	72.17	31	IAMB	IAMB	05 32 58.2	
H29M	Whitestone	72.20	25	IAMB	IAMB	05 32 58.8	
H29M	Whitestone	72.20	25	P	P	05 32 57.9	-0.1
BVCY	Beaver Creek	72.32	29	P	P	05 32 59.2	+0.4
FINES	FINES Array B	72.43	330	P	P	05 32 58.7	-0.7
FINES	FINES	72.43	330	LR	LR	06 07 34.5	
FINES	FINES Array B	72.43	330	iP	P	05 32 59.0	-0.4
GAZ	Gaziantep	72.44	303	IAMB	IAMB	05 33 14.9	
DAWY	Dawson	72.45	27	P	P	05 32 59.4	-0.2
I29M	Ogilvie Camp	72.49	26	IAMB	IAMB	05 33 00.3	
I29M	Ogilvie Camp	72.49	26	P	P	05 32 59.5	-0.2
SIM	Simferopol	72.50	312	eP	S	05 32 59.5	-0.6
SIM	Simferopol	72.50	312	eS	S	05 42 20.1	-3.1
SIM	Simferopol	72.50	312	pmax	pmax		
SIM	Simferopol	72.50	312	smax	smax		
TRO	Tromso	72.57	339	eP	MLR	05 32 59.0	-1.0
TRO	Tromso	72.57	339	IAMB	IAMB	05 33 21.2	
YUK3	Moose Creek	72.69	30	P	P	05 33 00.8	-0.4
F30M	Barrier River	72.70	23	P	P	05 33 00.6	-0.4
KEF	Keuruu	72.75	331	eP	P	05 33 00.2	-1.1
G30M	Aach Zraii Nji	72.76	24	P	P	05 33 00.6	-0.8
EPYK	Eagle Plains	72.78	24	P	P	05 33 00.5	-0.9
J29N	Klondike Camp	72.82	27	P	P	05 33 02.1	+0.3
NOR	Nord	72.94	354	iP	IAMB	05 32 59.7	-2.4
NOR	Nord	72.94	354	IAMB	IAMB	05 33 01.2	
VSU	Vasula	73.00	327	iP	pmax	05 33 00.6	-2.2
VSU	Vasula	73.00	327	pmax	pmax		
ARB2	Arbavere	73.08	328	eP	P	05 33 03.4	+0.1
O28M	Mount Upton	73.12	31	P	P	05 33 04.2	+0.2
YUK8	Steele Glacier	73.16	30	P	P	05 33 04.8	+0.7
INK	Inuvik	73.25	22	IAMB	IAMB	05 33 04.7	
INK	Inuvik	73.25	22	LR	LR	06 08 31.5	
INK	Inuvik	73.25	22	P	P	05 33 03.1	-1.0
L29M	Mount Dempster	73.30	28	P	P	05 33 05.3	+0.6
I30M	Mount Dempster	73.30	26	IAMB	IAMB	05 33 05.2	
I30M	Mount Dempster	73.30	26	P	P	05 33 04.3	-0.4
K29M	Barlow Dome	73.31	27	IAMB	IAMB	05 33 05.8	
K29M	Barlow Dome	73.31	27	P	P	05 33 04.8	+0.1
PINM	Pinnacle	73.31	31	P	P	05 33 05.1	+0.4
M29M	Somme Creek	73.37	29	P	P	05 33 05.8	+0.6
BZK	Bozkurt	73.43	309	iP	P	05 33 06.5	+0.8
VAF	Ylistaro	73.44	332	eP	P	05 33 05.4	0.0
F31M	Tsiigehtich	73.50	23	P	P	05 33 04.7	-0.9
G31M	Satah River	73.50	24	IAMB	IAMB	05 33 05.2	
G31M	Satah River	73.50	24	P	P	05 33 04.2	-1.4
J30M	Hart River	73.55	26	IAMB	IAMB	05 33 07.7	
J30M	Hart River	73.55	26	P	P	05 33 05.8	-0.4
MNK	Minsk	73.59	323	iP	P	05 33 06.4	0.0
MNK	Minsk	73.59	323	i	PPP	05 33 50.1	
MNK	Minsk	73.59	323	iS	SKIKP	05 42 38.9	+3.5
MNK	Minsk	73.59	323	iSS	SS	05 47 24.2	+6.3
MNK	Minsk	73.59	323	pmax	pmax		
MNK	Minsk	73.59	323	pmax	pmax		
MNK	Minsk	73.59	323	pmax	pmax		
MNK	Minsk	73.59	323	MLR	MLR		

MNK	comp=N,460nm,20.0s	MLR	MLR				
MNK	comp=N,460nm,20.0s	MLR	MLR				
YUK4	Tallerm	73.65	30	P	P	05 33 06.3	-0.7
H31M	Peel River	73.89	25	IAMB	IAMB	05 33 08.5	
H31M	Peel River	73.89	25	P	P	05 33 07.2	-0.8
YUK6	Outpost Mounta	73.92	30	P	P	05 33 09.0	+0.4
AKASG	Malin Array Be	73.97	319	P	P	05 33 07.9	-0.8
AKASG	Malin Array Be	73.97	319	LR	LR	06 07 34.7	
AKASG	Malin Array Be	73.97	319	iP	pmax	05 33 07.9	-0.8
AKASG	Malin Array Be	73.97	319	pmax	pmax		
AKKB	Malin Array Si	73.97	319	IAMB	IAMB	05 33 21.2	
AKKB	Malin Array Si	73.97	319	P	P	05 33 07.2	-1.5
AK08	Malin Array Si	73.99	319	P	P	05 33 07.9	-0.9
AK01	Malin Array Si	73.98	319	P	P	05 33 07.1	-1.7
KIEV	Kiev	73.99	319	P	P	05 33 07.9	-1.0
KIEV	Kiev	73.99	319	IAMB	IAMB	05 33 21.2	
KIEV	Kiev	73.99	319	iP	P	05 33 08.3	-0.5
KIEV	Kiev	73.99	319	P	P	05 33 08.3	-0.5
KIEV	Kiev	73.99	319	P	P	05 33 06.4	-2.4
O29M	Malin Kennedy	74.03	31	P	P	05 33 09.3	+0.2
M30M	Minto, Yukon	74.05	28	IAMB	IAMB	05 33 11.4	
M30M	Minto, Yukon	74.05	28	P	P	05 33 09.3	+0.2
MAYO	Mayo, Yukon	74.07	27	P	P	05 33 09.2	+0.1
ASF	Jabal al Asfar	74.18	299	LR	LR	06 10 41.8	
A36M	Sachs Harbour	74.25	17	IAMB	IAMB	05 33 10.1	
A36M	Sachs Harbour	74.25	17	P	P	05 33 08.6	-1.4
N30M	Aishkik Lake	74.32	29	IAMB	IAMB	05 33 12.5	
N30M	Aishkik Lake	74.32	29	P	P	05 33 11.0	+0.4
KIRS	Kirsch-Merke	74.34	306	iP	P	05 33 12.5	+1.3
HYT	Haines Junction	74.35	307	P	P	05 33 10.9	0.0
BR131	Keskin Array S	74.36	307	IAMB	IAMB	05 33 26.0	
BRTR	Keskin Array B	74.36	307	P	P	05 33 10.8	-0.6
BRTR	Keskin Array B	74.36	307	P	P	05 33 11.1	-0.4
BRTR	Keskin Array B	74.36	307	LR	LR	06 09 02.0	
BRTR	Keskin Array B	74.36	307	pmax	pmax		
BRTR	Keskin Array B	74.36	307	pmax	pmax		
MTSE	Matstula	74.37	328	eP	P	05 33 11.1	+0.3
STEI	Steigen	74.47	338	eP	IAMB	05 33 10.6	-0.7
STEI	Steigen	74.47	338	IAMB	IAMB	05 33 36.5	
RAF	Rauma	74.54	330	eP	P	05 33 12.6	+0.8
FAUS	Fauske	74.68	337	eP	IAMB	05 33 12.2	-0.4
FAUS	Fauske	74.68	337	IAMB	IAMB	05 33 24.4	
P30M	Million Dollar	74.85	31	P	P	05 33 14.1	+0.3
N31M	Braeburn, Yuko	74.89	29	P	P	05 33 14.1	+0.2
ANTO	Ankara	74.94	307	P	P	05 33 17.6	+2.9
ANTO	Ankara	74.94	307	IAMB	IAMB	05 33 28.8	
ANTO	Ankara	74.94	307	iP	pmax	05 33 16.1	+1.4
ANTO	Ankara	74.94	307	pmax	pmax	05 33 17.6	+2.9
ANTO	Ankara	74.94	307	P	P	05 33 16.9	+2.2
ANTO	Ankara	74.94	307	P	P	05 33 12.2	-0.4
LOF	Lofoten	74.96	338	eP	P	05 33 12.6	-1.6
O30N	Mendenhall	75.02	30	IAMB	IAMB	05 33 16.3	
O30N	Mendenhall	75.02	30	P	P	05 33 14.8	+0.1
MMAI	Mount Meron Ar	75.11	300	P	P	05 33 16.1	+0.3
MMAI	Mount Meron Ar	75.11	300	LR	LR	06 11 57.1	
MMAI	Mount Meron Ar	75.11	300	LR	LR	06 11 57.1	
BALJ	Balqa	75.22	299	IAMB	IAMB	05 33 21.1	
M31M	Druy Creek, Y	75.23	28	IAMB	IAMB	05 33 16.9	
M31M	Druy Creek, Y	75.23	28	P	P	05 33 15.5	-0.4
SORM	Sorca	75.33	316	iP	P	05 33 15.9	-0.7
SORM	Sorca	75.33	316	P	P	05 33 15.9	-0.7
MLOA	Mauna Loa Obs	75.35	75	IAMB	IAMB	05 33 17.8	
PABC	Pleasant Camp	75.38	31	P	P	05 33 16.7	0.0
PLBE	Paberze	75.40	324	eP	P	05 33 16.4	-0.4
MILM	Milestii Mici	75.43	315	eP	P	05 33 24.0	+6.8
MILM	Milestii Mici	75.43	315	eL	L	06 06 33.0	
MILM	Milestii Mici	75.43	315	LRM	MLR	06 06 33.0	
MILM	Milestii Mici	75.43	315	eP	MLR	05 33 24.0	+6.8
MOR8	Moi Rana	75.50	336	eP	IAMB	05 33 15.8	-1.5
MOR8	Moi Rana	75.50	336	IAMB	IAMB	05 33 28.0	
WHY	Whitehorse	75.61	30	IAMB	IAMB	05 33 19.4	
WHY	Whitehorse	75.61	30	P	P	05 33 18.4	+0.2
FARO	Faro, Yukon	75.67	28	P	P	05 33 18.4	0.0
NDNU	Novodistrovsk	75.80	317	P	P	05 33 18.6	-0.7
KONS	Konsvik	75.84	337	eP	IAMB	05 33 19.4	+0.2
KONS	Konsvik	75.84	337	IAMB	IAMB	05 33 19.6	
SKAG	Skagway	75.86	31	P	P	05 33 19.8	+0.3
SKAG	Skagway	75.86	31	P	P	05 33 20.8	+1.3
C36M	Paulatuk	75.88	20	IAMB	IAMB	05 33 19.0	
C36M	Paulatuk	75.88	20	P	P	05 33 18.1	-1.3
STOK	Stokvasengen	75.95	337	eP	P	05 33 19.1	-0.8
ATD	Arta Tunnel	75.97	27	LR	LR	06 06 13.2	
TLCR	TLCR	76.00	313	iP	P	05 33 20.6	+0.1
TLCR	TLCR	76.00	313	P	P	05 33 20.6	+0.1
SLIK	Pelican	76.01	337	eP	IAMB	05 33 19.5	-0.8
LEIR	Leir						

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Puerto Rico Se, Las Mesas, Arcicobo Observ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Warramunga Arr, Alice Springs, Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Uspallata, Los Peladeros, El Pedregal, etc.

IDC 30 05:30:33.4:3.0,3:47S:146.04E,h0km,mb3.4/2, mbtm3.6/4,ML3.0/2,Error ellipse: s-maj=83.6km s-min=28.6km az=82.0, Bismarck Sea region

SJA 30 06:10:35.7:0.6,31:56S:70:12W,h114km,6km,ML2.4,MW2.7 GUC 30 06:10:36.7:0.8,31:61S:70:30W,h138km,5km,ML2.7

IDC 30 06:23:47.5:0.5,15:21S:173:41W,h0km,mb4.7/20, mbtm4.7/20,MS4.5/56,Error ellipse: s-maj=21.2km s-min=14.4km az=130.0

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Port Wells, Kayak Island, Styx River, etc.

2019 JAN

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Nanjing, Kantissha Hill, Thorofore Mountain, etc.

30d 6h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Beaver Creek A, Jennings River, Teslin, Yukon, etc.

30d 6h

C16K	Lisburne Hills	83.50	3	I	Amb	I	Amb	06 36 18.8
C16K	Lisburne Hills	83.50	3	P	P	P	P	06 36 17.5 +1.2
G23K	Bananza Creek	83.50	9	I	Amb	I	Amb	06 36 18.9
G23K	Bananza Creek	83.50	9	P	P	P	P	06 36 17.7 +1.3
F21K	Alatna River	83.50	8	P	P	P	P	06 36 17.6 +1.2
HEH	Heihe	83.53	326	eP	pmax	pmax	pmax	06 36 16.8 0.0
MAYO	Mayo, Yukon	83.68	16	P	P	P	P	06 36 18.9 +1.5
JCT	Junction City	83.74	56	P	P	P	P	06 36 18.8 +0.3
JCT	Junction City	83.74	56	P	P	P	P	06 36 18.8 +0.3
RTBA	Rita Blanca	83.78	50	P	I	Amb	I	Amb
H25L	Birch Creek	83.79	11	P	P	P	P	06 36 19.9 +2.1
J29N	Klondike Camp	83.81	14	P	P	P	P	06 36 19.9 +1.9
C17K	Delong Mountai	83.82	4	P	P	P	P	06 36 19.4 +1.5
SN07	Snyder 07	83.86	53	I	Amb	I	Amb	06 36 21.8
COLD	Coldfoot	83.96	9	I	Amb	I	Amb	06 36 21.8
COLD	Coldfoot	83.96	9	P	P	P	P	06 36 20.4 +1.8
I27K	Kandik River	84.02	13	P	P	P	P	06 36 20.5 +1.4
C18K	Utukok River	84.12	4	I	Amb	I	Amb	06 36 22.0
C18K	Utukok River	84.12	4	P	P	P	P	06 36 20.5 +1.0
PMSA	Palmer Station	84.12	156	LR	LR	LR	LR	07 05 09.6
E20K	Nigu River	84.19	6	P	P	P	P	06 36 21.5 +1.6
D19K	Kuna River	84.23	5	I	Amb	I	Amb	06 36 22.5
D19K	Kuna River	84.23	5	P	P	P	P	06 36 21.1 +1.0
I28M	Miner Creek	84.25	13	I	Amb	I	Amb	06 36 22.7
I28M	Miner Creek	84.25	13	P	P	P	P	06 36 21.1 +0.7
J30M	Hart River	84.37	15	I	Amb	I	Amb	06 36 23.6
J30M	Hart River	84.37	15	P	P	P	P	06 36 22.2 +1.2
BILL	Bilibino	84.44	352	P	I	Amb	I	Amb
BILL	Bilibino	84.44	352	eP	pmax	pmax	pmax	06 36 21.9 +0.8
I29M	Ogilvie Camp	84.55	14	I	Amb	I	Amb	06 36 23.9
I29M	Ogilvie Camp	84.55	14	P	P	P	P	06 36 22.5 +0.8
F24K	Squaw Lake	84.58	9	I	Amb	I	Amb	06 36 24.8
F24K	Squaw Lake	84.58	9	P	P	P	P	06 36 23.4 +1.5
D20K	Etiivuk River	84.58	6	P	P	P	P	06 36 22.9 +1.1
H27K	Steamboat Moun	84.58	12	P	P	P	P	06 36 23.2 +1.3
E21K	Killik River	84.61	7	I	Amb	I	Amb	06 36 24.3
E21K	Killik River	84.61	7	P	P	P	P	06 36 23.0 +1.0
BRDY	Brady	84.68	56	I	Amb	I	Amb	06 36 26.2
G26K	Porcupine River	84.77	11	P	P	P	P	06 36 24.6 +1.8
B18K	Kokolik River	84.79	4	P	P	P	P	06 36 24.1 +1.3
KOTAN	Kotanelee Air	84.79	22	P	P	P	P	06 36 24.1 +1.0
E23K	Chandalar	84.81	9	I	Amb	I	Amb	06 36 25.9
E23K	Chandalar	84.81	9	P	P	P	P	06 36 24.6 +1.5
I30M	Mount Dempster	84.89	15	P	P	P	P	06 36 25.1 +1.6
H03S2	Juan Fernandez	84.93	124	T	T	T	T	08 10 52.6
H03S1	Juan Fernandez	84.95	124	T	T	T	T	08 10 52.4
H03S3	Juan Fernandez	84.95	124	T	T	T	T	08 10 54.9
E24K	Your Creek	85.00	9	I	Amb	I	Amb	06 36 27.1
E24K	Your Creek	85.00	9	P	P	P	P	06 36 25.5 +1.5
F25K	Christian River	85.02	10	P	P	P	P	06 36 25.9 +1.8
G27K	Doyon Strip	85.06	12	I	Amb	I	Amb	06 36 27.2
G27K	Doyon Strip	85.06	12	P	P	P	P	06 36 26.1 +1.8
D22K	Aiyikyak River	85.18	7	I	Amb	I	Amb	06 36 27.7
D22K	Aiyikyak River	85.18	7	P	P	P	P	06 36 26.7 +1.8
C21K	Knifeflade Rid	85.20	6	P	P	P	P	06 36 26.6 +1.7
H29M	Whitestone	85.25	13	I	Amb	I	Amb	06 36 28.4
H29M	Whitestone	85.25	13	P	P	P	P	06 36 26.7 +1.5
TOLK	Toolik Lake Re	85.36	8	P	P	P	P	06 36 27.7 +0.9
TOLK	Toolik Lake Re	85.36	8	P	P	P	P	06 36 26.3 +1.6
F26K	Sheenik River	85.37	11	I	Amb	I	Amb	06 36 29.2
F26K	Sheenik River	85.37	11	P	P	P	P	06 36 27.9 +2.0
E25K	Arctic Village	85.50	10	I	Amb	I	Amb	06 36 29.5
E25K	Arctic Village	85.50	10	P	P	P	P	06 36 28.2 +1.7
D23K	Nanushuk River	85.51	8	I	Amb	I	Amb	06 36 29.5
D23K	Nanushuk River	85.51	8	P	P	P	P	06 36 28.0 +1.5
ZE A	Zeya	85.52	329	eP	pmax	pmax	pmax	06 36 26.8 0.0
ZE A	Zeya	85.52	329	eP	pmax	pmax	pmax	06 36 26.8 0.0
435B	Jarrell	85.63	57	P	P	P	P	06 36 30.1 +2.2
HNS	HongShan	85.69	310	UP	S	S	S	06 36 28.8 +0.8
HNS	HongShan	85.69	310	UP	S	S	S	06 47 04.3 +3.6
HNS	HongShan	85.69	310	UP	S	S	S	06 47 04.3 +3.6
HNS	HongShan	85.69	310	UP	S	S	S	06 47 04.3 +3.6

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F28M	Old Crow	86.11	12	I	Amb	I	Amb	06 36 32.1
F28M	Old Crow	86.11	12	P	P	P	P	06 36 30.7 +1.3
E27K	Coleen River	86.12	11	I	Amb	I	Amb	06 36 33.3
E27K	Coleen River	86.12	11	P	P	P	P	06 36 32.1 +1.8
LYN	LuoYang	86.31	307	eP	S	S	S	06 36 33.0 +1.8
LYN	LuoYang	86.31	307	eP	S	S	S	06 47 09.3 +2.4
LYN	LuoYang	86.31	307	eP	S	S	S	06 47 09.3 +2.4
LYN	LuoYang	86.31	307	eP	S	S	S	06 47 09.3 +2.4
G30M	taoh Zhai Nrii	86.37	14	P	P	P	P	06 36 31.8 +1.0
D25K	Kavik River	86.46	9	P	P	P	P	06 36 31.9 +0.7
B22K	Teshekpuk Lake	86.48	7	P	P	P	P	06 36 32.0 +0.8
C24K	Franklin Bluff	86.48	8	I	Amb	I	Amb	06 36 34.0
C24K	Franklin Bluff	86.48	8	P	P	P	P	06 36 31.8 +0.5
HKT	Hockley	86.77	58	iP	pmax	pmax	pmax	06 36 35.4 +1.9
HKT	Hockley	86.77	58	iP	pmax	pmax	pmax	06 36 35.4 +1.9
G31M	Satah River	86.77	14	I	Amb	I	Amb	06 36 34.9
G31M	Satah River	86.77	14	P	P	P	P	06 36 33.3 +0.6
CBKS	Camden Bay	86.91	49	I	Amb	I	Amb	06 36 37.3
A22K	Sinclair Lake	86.95	6	P	P	P	P	06 36 34.2 +0.7
F30M	Barrier River	86.98	13	P	P	P	P	06 36 34.9 +1.1
E28M	Babbage River	87.02	12	I	Amb	I	Amb	06 36 36.6
E28M	Babbage River	87.02	12	P	P	P	P	06 36 35.1 +1.1
A21K	Barrow	87.10	5	P	P	P	P	06 36 35.0 +0.8
WRGLY	Wrigley	87.12	20	I	Amb	I	Amb	06 36 36.9
WRGLY	Wrigley	87.12	20	P	P	P	P	06 36 36.0 +1.5
C27K	Jago River	87.16	10	I	Amb	I	Amb	06 37 18.8
C27K	Jago River	87.16	10	P	P	P	P	06 36 36.0 +1.5
E29M	Blower River	87.17	12	P	P	P	P	06 36 36.5 +1.9
C26K	Camden Bay	87.22	9	P	P	P	P	06 36 35.8 +1.0
D27M	Malcolm River	87.30	11	I	Amb	I	Amb	06 36 38.4
D27M	Malcolm River	87.30	11	P	P	P	P	06 36 36.6 +1.3
F31M	Tsigehtchic	87.31	14	P	P	P	P	06 36 36.1 +0.8
FNO	Franklin	87.35	53	I	Amb	I	Amb	06 36 39.9
R32A	Long Quarg	87.51	49	I	Amb	I	Amb	06 36 40.4
MAW	Mawson	88.04	198	P	P	P	P	06 36 39.3 +0.3
MAW	Mawson	88.04	198	P	P	P	P	06 36 39.3 +0.3
INK	Inuvik	88.05	14	P	I	Amb	I	Amb
INK	Inuvik	88.05	14	P	I	Amb	I	Amb
INK	Inuvik	88.05	14	P	I	Amb	I	Amb
INK	Inuvik	88.05	14	P	I	Amb	I	Amb
INK	Inuvik	88.05	14	P	I	Amb	I	Amb
XAN	Xi'an	88.89	306	UP	S	S	S	06 36 45.5 +1.8
XAN	Xi'an	88.89	306	UP	S	S	S	06 36 49.0 +2.2
XAN	Xi'an	88.89	306	UP	S	S	S	06 47 32.5 +0.7
XAN	Xi'an	88.89	306	UP	S	S	S	06 47 32.5 +0.7
PSI	Prapat	88.89	273	LR	LR	LR	LR	07 18 41.1
HHC	Hu-ho-hao-te	89.24	313	eP	pmax	pmax	pmax	06 36 45.0 -0.3
HHC	Hu-ho-hao-te	89.24	313	eP	pmax	pmax	pmax	06 36 45.0 -0.3
PHC	Phuc	89.24	313	eP	pmax	pmax	pmax	06 36 45.0 -0.3
PHC	Phuc	89.24	313	eP	pmax	pmax	pmax	06 36 45.0 -0.3
YKA	Yellowknife Ar	89.22	23	P	P	P	P	06 36 47.9 +0.6
YKA	Yellowknife Ar	89.22	23	P	P	P	P	06 36 47.9 +0.6
YKA	Yellowknife Ar	89.22	23	P	P	P	P	06 36 47.9 +0.6
YKA	Yellowknife Ar	89.22	23	P	P	P	P	06 36 47.9 +0.6
BTO	Baotou	90.25	312	eP	pmax	pmax	pmax	06 36 51.0 +1.0
BTO	Baotou	90.25	312	eP	pmax	pmax	pmax	06 36 51.0 +1.0
BTO	Baotou	90.25	312	eP	pmax	pmax	pmax	06 36 51.0 +1.0
BTO	Baotou	90.25	312	eP	pmax	pmax	pmax	06 36 51.0 +1.0
MDND	Maddo	90.43	40	I	Amb	I	Amb	06 36 52.5
JTS	Las Juntas de	90.79	80	LR	LR	LR	LR	07 07 52.6
JTS	Las Juntas de	90.79	80	LR	LR	LR	LR	07 07 52.6
JTS	Las Juntas de	90.79	80	LR	LR	LR	LR	07 07 52.6
JTS	Las Juntas de	90.79	80	LR	LR	LR	LR	07 07 52.6
ECSD	EROS Data Cent	90.88	45	I	Amb	I	Amb	06 36 53.9
S36M	Pocool	91.13	16	P	P	P	P	06 36 54.3 +1.0
S36M	Pocool	91.13	16	P	P	P	P	06 36 38.3
FCAR	Ozark Park Cen	91.62	53	I	Amb	I	Amb	06 36 59.1
FFC	Filin Flon	91.78	33	P	P	P	P	06 36 56.5 -0.1
FFC	Filin Flon	91.78	33	P	P	P	P	06 3

Table with columns: MKAR, Lg, Lg, Time, Res. Includes entries for ZALESOVO INFRA and ZALV Zalesovo Beam.

NEIC 30 07:26:25.71.5, 54.42N, 0102.160.75W, 0.05, h19km, gkm, ML2.9/20, ML2.8(AEIC). Error ellipse: s-maj=4.6km s-min=2.9km az=108.0

AEIC 30 07:26:28.72.1, 54.37N, 0106.160.69W, 0.06, h10km, h7km, Error ellipse: s-maj=8.8km s-min=4.3km az=153.0, Alaska Peninsula

Main table listing station names, codes, and coordinates. Includes stations like Chernabura Isl, Hag, PS1A, etc.

VAO 30 07:44:40.3-0.2, 25.91S, 70.46W, h10km, mb5.8 SJA 30 07:44:40.1-1.2, 25.97S, 70.92W, h55km, ML5.5, Mw5.4

MOS 30 07:44:43.4-1.2, 25.83S, 70.57W, h46km, mb5.8/25, Error ellipse: s-maj=12.9km s-min=7.1km az=97.3

GUC 30 07:44:43.7-0.6, 25.87S, 70.62W, h54km, km, ML5.5 RNSC 30 07:44:44.6-1.4, 26.5S, 10.7W, 1.0, h39km, 17km, M4.8

BUI 30 07:44:44.1, 25.90S, 70.60W, h39km, mb5.5/20, Ms5.5/39, Ms7.4/41

NEIC 30 07:44:44.6, 25.89S, 70.73W, h41km NEIC 30 07:44:44.6, 25.89S, 70.73W, h40km, Moment Tensor

Solution. Duration: 3s. Moment tensor: Scale 10^17Nm; Mrr-1.71; Mss0.38; Mss1.34; Mss0.30; Mss-0.02; Mrr-2.78;

Fault plane solution: Ms3.19000x10^17 NP1: 0.179.90000, 814.33000, -1.84.78000. NP2: 0.354.51000, 875.73000, -1.91.33000. Principal axes: T 2.9988, Plg31.0000, Azm86.0000; N 0.3803, Plg1.0000, Azm355.0000; P -3.3791, Plg59.0000, Azm263.0000

NEIC 30 07:44:44.6, 25.89S, 70.73W, h41km NEIC 30 07:44:44.6, 25.89S, 70.73W, h40km, Moment Tensor

Solution. Duration: 3s. Moment tensor: Scale 10^17Nm; Mrr-1.71; Mss0.38; Mss1.34; Mss0.30; Mss-0.02; Mrr-2.78;

Fault plane solution: Ms3.19000x10^17 NP1: 0.179.90000, 814.33000, -1.84.78000. NP2: 0.354.51000, 875.73000, -1.91.33000. Principal axes: T 2.9988, Plg31.0000, Azm86.0000; N 0.3803, Plg1.0000, Azm355.0000; P -3.3791, Plg59.0000, Azm263.0000

NEIC 30 07:44:45.2-2.7, 25.90S, 0105.70.67W, 0.07, h51km, 11km, mb5.8/609, Mb5.6/43, Mw5.5/48, Mw5.6/37, Error ellipse: s-maj=10.8km s-min=8.1km az=107.0, Moment Tensor Solution.

Moment tensor: Scale 10^17Nm; Mrr-1.31; Mss0.67; Mss0.63; Mss0.31; Mss-0.02; Mrr-3.44;

Fault plane solution: Ms3.64000x10^17 NP1: 0.171.53000, 87.87000, -1.93.91000. NP2: 0.354.67000, 882.14000, -1.89.57000. Principal axes: T 2.2572, Plg37.0000, Azm84.0000; N 0.6705, Plg0.0000, Azm175.0000; P -3.9277, Plg53.0000, Azm265.0000

Moment Tensor Solution. Moment tensor: Scale 10^17 Nm; Mrr-1.33; Mss0.50; Mss1.83; Mss0.17; Mss-0.02; Mrr-1.51; Fault plane solution: Ms2.24000x10^17 NP1: 0.187.49000, 823.47000, -1.77.76000. NP2: 0.354.18000, 867.09000, -1.95.26000. Principal axes: T 2.4402, Plg22.0000, Azm88.0000; N -0.4830, Plg5.0000, Azm356.0000; P -1.9572, Plg67.0000, Azm254.0000

NEIC 30 07:44:45.4-0.2, 25.90S, 70.47W, h55km, 1km, mb5.1/24, mbmp5.3/27, Ms5.4/24 Error ellipse: s-maj=11.0km s-min=7.2km az=67.0

GCMT 30 07:44:47.0-0.1, 25.99S, 0101.70.61W, 0.01, h59km, 11km, Mw5.6/142, Moment Tensor Solution. s142c257; s137c253; Duration: 1s5 Moment tensor: Scale 10^17 Nm; Mrr-1.08; Mss0.54; Mss0.54; Mss0.54; Mss0.54; Mss0.31; Mss0.10; Mss0.10; Mss0.10; Mss0.10; Best double couple: Ms3.14200x10^17 NP1: 0.189.0000, 88.0000, -1.76.0000. NP2: 0.355.0000, 883.0000, -1.92.0000. Principal axes: T 2.8640, Plg38.0000, Azm87.0000; N 0.5530, Plg2.0000, Azm355.0000; P -3.4190, Plg52.0000, Azm263.0000. nsta1 refers to body waves, cutoff=5s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Pan de Azucar, AC01, etc.

Table with columns: AC01, IAML, Pn, S, etc. Includes entries for Mina Guanaco, G002, etc.

Table with columns: G002, IAML, Pn, S, etc. Includes entries for Mina Guanaco, G002, etc.

Table with columns: AC06, IAML, Pn, S, etc. Includes entries for Mina Casimiro, AC06, etc.

Table with columns: AC02, IAML, Pn, S, etc. Includes entries for Maricunga, AC02, etc.

Table with columns: AC04, IAML, Pn, S, etc. Includes entries for Llanos de Chal, AC04, etc.

Table with columns: LCO, IAML, Pn, S, etc. Includes entries for Las Campanas, LCO, etc.

Table with columns: LCO, IAML, Pn, S, etc. Includes entries for Las Campanas, LCO, etc.

Table with columns: AC01, IAML, Pn, S, etc. Includes entries for Cerro Coronel, AC01, etc.

Table with columns: TA01, IAML, Pn, S, etc. Includes entries for Diego Aracena, TA01, etc.

Table with columns: TA02, IAML, Pn, S, etc. Includes entries for Humberstone, TA02, etc.

Table with columns: LPAZ, IAML, Pn, S, etc. Includes entries for La Paz, LPAZ, etc.

Table with columns: LPAZ, IAML, Pn, S, etc. Includes entries for La Paz, LPAZ, etc.

Table with columns: LPAZ, IAML, Pn, S, etc. Includes entries for La Paz, LPAZ, etc.

Table with columns: LPAZ, IAML, Pn, S, etc. Includes entries for La Paz, LPAZ, etc.

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Table with columns: LPAZ, IAML, Pn, S, etc. Includes entries for La Paz, LPAZ, etc.

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Table with columns: LPAZ, IAML, Pn, S, etc. Includes entries for La Paz, LPAZ, etc.

Table with columns: LPAZ, IAML, Pn, S, etc. Includes entries for La Paz, LPAZ, etc.

Table with columns: ATAH, S, S, etc. Includes entries for Sao Paulo, CLDB, etc.

Table with columns: CLDB, IAMB, P, etc. Includes entries for Sao Paulo, CLDB, etc.

Table with columns: CLDB, IAMB, P, etc. Includes entries for Sao Paulo, CLDB, etc.

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Table with columns: CLDB, IAMB, P, etc. Includes entries for Sao Paulo, CLDB, etc.

2019 JAN

1771

30d 7h

Table with columns: Station, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like BHW, ODZ, URZ, ESDC, etc.

Table with columns: Station, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like H11S2, H11S1, H11S3, etc.

Table with columns: Station, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like KAPI, GRNR, TKM2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like UNV Unalaska Valle, AHB Akutan Harbor, ZRO Akutan Zero, etc.

NEIC 30 08:56:36.0±2.5, 20.5S, 0.2±171.3E, 0.1, h103km, 7km, mb4.3/15, Error ellipse: s-maj=27.8km s-min=13.8km az=151.0

ISC 30 08:56:44.7±1.1, 21.14S, 170.79E, h156km, 40km, mb3.7/3, mbtmp4.1/5, Error ellipse: s-maj=83.8km s-min=30.7km az=29.0

ISC 30 08:56:43.4±2.1, 21.1S, 0.2±170.9E, 0.1, h150km, n27, 0±75/22, mb4.2/6, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM 25nm, 0.4s, bazz=126, slow=19, SNR=6.8, etc.

ISC 30 08:58:33.3±5.6, 12.36S, 123.65E, h0km, mb3.9/1, mbtmp3.6/4, ML3.2/3, Error ellipse: s-maj=77.4km s-min=61.1km az=71.0, South of Timor

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 30 09:01:43.3±3.4, 55.12N, 112.47E, h0km, mb3.2/3, mbtmp3.6/6, ML3.9/3, Error ellipse: s-maj=63.3km s-min=14.5km az=122.0

BYKL 30 09:01:48.1±0.1, 54.36N, 111.74E, h8km, 2km, ISC 30 09:01:47.2±0.6, 54.88N, 0.02±111.74E, h10km, n43, 0±35/108, 2C-3D, Lake Baykal region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like YLYR Ulyunkhan, KMO Kumora, UKT Ukait, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like NIZB, SVYR Suvo, SVKR Severomysk, etc.

ISC 30 09:01:43.3±3.4, 55.12N, 112.47E, h0km, mb3.2/3, mbtmp3.6/6, ML3.9/3, Error ellipse: s-maj=63.3km s-min=14.5km az=122.0

ISC 30 09:01:47.2±0.6, 54.88N, 0.02±111.74E, h10km, n43, 0±35/108, 2C-3D, Lake Baykal region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like GORB Goryachinsk, KOTOKEL Kotokel, CIT Chita, etc.

ISC 30 09:04:55.4±2.1, 19.97N, 0.00±3.70W, h30km, 9gkm, n44, 0±171/62, mb3.5/3, 1C-1D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like FFNB Fofonovo, KABANSK Kabansk, CRS Chara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like YUKTAL Yuktali, ZAKAMENSK Zakamensk, MOY Mondy, etc.

ISC 30 09:04:55.4±2.1, 19.97N, 0.00±3.70W, h30km, 9gkm, n44, 0±171/62, mb3.5/3, 1C-1D, Dominican Republic region

ISC 30 09:04:55.4±2.1, 19.97N, 0.00±3.70W, h30km, 9gkm, n44, 0±171/62, mb3.5/3, 1C-1D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CLNS Chul'man, SONM Songino Array, YAK Yakutsk, etc.

ISC 30 09:04:55.4±2.1, 19.97N, 0.00±3.70W, h30km, 9gkm, n44, 0±171/62, mb3.5/3, 1C-1D, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SC01 Santiago de lo Cabrera, MADR Mao Valverde, NADR Nagua, etc.

Table with columns: ILAR, F28M, I28M, VOI, G30M, KEV, DKM, SPA1, SPB2, SPA2, SPITS, ARCES, INK, HS1M, BZK, BRTR, BRTR, BR105, FARO, FIA1, FINES, AK09, AK03, AKASG, AKBB, AK10, AK10, KIEV, AK02, AK05, AK05, AK05, AK06, AK07, AK12, AK16, AK22, AK21, PURM, PPT2, C36M, C36M, MI28, LUBAR, TBI, TBI, RNPB, RNP1, HORU, GHRR, KMPD, KMBO, KMBO, KMBO, VYDA, HFS, NB2, NOA, YKA, MODS, GERES, TROLL, TXAR, PLCA

KRNET 30 09:34:48.6-0.1, 40.10N-71.19E, h12km, mb2.6
NNC 30 09:34:52.6-3.4, 40.33N-71.33E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=25.1km s-min=10.9km az=6.0
SOME 30 09:34:53.0, 40.32N-71.30E, h10km
ISC 30 09:34:47.6-1.2, 40.16N-0.03-71.23E, 0.03, h2km, 11km,
n23, r1929/40, 20C-8D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

Table with columns: BRLS, KST, KST, KST, DGS, DGS, DGS

IDC 30 09:50:18.5-3.1, 5.54S-133.24E, h0km, mb3.6/1,
mbtmp3.6/4, ML3.5/3, MS2.9/1, Error ellipse:
s-maj=123.3km s-min=30.4km az=82.0, Aru Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

NEIC 30 10:01:33.5-1.1, 19.338N-0.009-155.156W, 0.009,
h5km, 1km, Error ellipse: s-maj=2.6km s-min=1.8km
az=185.0

HVO 30 10:01:32.8-1.0, 19.333N-0.02-155.135W, 0.008,
h6km, 2km, ML2.6/39, ML2.5/38(NEIC), Error ellipse:
s-maj=2.6km s-min=0.8km az=163.0, Hawaii Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

WMEH West Rim 0.17 296 Pg
UWE Uwekahuna 0.17 301 Pg
UWE UWE comp=N,1um,1.5s 0.17 314 Pg

RRSD Rainshead 0.19 314 Pg
RSD RSD 0.24 47 Pg
PAH Pahoehoe 0.27 47 Pg

MLH Mauna Loa 0.29 304 Pg
KHM Humu'ua Sheep 0.42 310 Pg
KHU KHU 0.46 260 Pg

KHU comp=E,382nm,0.4s 0.46 289 Pg
MWH Mokuaweoweo 0.46 289 Pg
ALEP Alea Permanent 0.52 294 Pg

POHA Pohakuloa 0.57 319 Pg
POHA Pohakuloa 0.57 319 Pg
CPH Captain Cook 0.76 282 Pg

NNC 30 10:23:14.2-4.3, 37.79N, h0km, mb3.7, mpv3.3,
2C-2D, Error ellipse: s-maj=35.6km s-min=28.4km
az=84.0, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

Table with columns: PKPS, KTBS, KTBS, MRKS, MRKS

NEIC 30 10:45:22.7-1.4, 37.05N-0.01-104.97W, 0.01, h6km, 2km,
az=169.0, Colorado

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

GCMT 30 11:02:02.0-0.5, 14.63S-0.02-175.64W, 0.03, h30km, 1km,
MW4.9/72, Moment Tensor Solution, s18, c18, s72, c82,
Duration: 0, Moment tensor Scale: 10^19Nm, Mw=0.90; 19;
Mw=1.83; 18; Mw=0.92; 15; Mw=0.47; 21; Mw=2.63; 14;
Ms=0.13; 18; Best double couple: 82.000000%, 179.000000%,
NP1=0.284, 0.000000%, 889.000000%, 8.000000%. Principal axes: T
3.4440, Plg6.0000%, Azm149.0000%; N -0.9430,
Plg82.0000%, Azm291.0000%; P -5.5020, Plg5.0000%,
Azm59.0000%; nsta1 refers to body waves, cutoff=40s,
nsta2 refers to surface waves, cutoff=50s. Surface-wave
location Triangular moment-rate function

IDC 30 11:01:55.6-1.8, 14.47S-176.08W, h0km, mb3.8/7,
mbtmp3.7/7, MS3.8/35, Error ellipse: s-maj=121.6km
s-min=22.5km az=150.0, Fil Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

IDC 30 11:07:12.4-1.5, 28.26N-99.19E, h0km, mb3.5/7,
mbtmp3.5/7, Error ellipse: s-maj=61.9km s-min=23.5km

TECA Tecapa	1.32 332j	eP	Pn	11 41 22.6	-0.3	PRVC Isla de Provid	6.42 80	P	Pn	11 42 31.8	OK029	Liberty Lake	24.93 341	Iamb	Iamb	11 46 32.7	
TECA				11 41 22.7		PRVC Isla de Provid	6.42 80	P	Pn	11 42 31.8	CZSB	Cruzeiro do S	24.97 142	P	P	11 46 20.9 +1.0	
CHOHN Orocuina	1.33 30	P	Pn	11 41 23.6	+0.6	TEIG Tepich	7.87 357	Pn	Pn	11 42 53.6 +1.0	CZSB			Iamb	Iamb	11 46 24.8	
CHOHN Orocuina	1.33 30	S	Sn	11 41 41.0	+1.3	TEIG Tepich	7.87 357	Pn	Pn	11 42 53.6 +1.0	CZSB	comp=Z,30nm,1.1s	24.97 142	eP	P	11 46 22.2 +2.4	
MOM2 El Cardon	1.34 85	P	Sn	11 41 23.0	0.0	TEIG Tepich	7.87 357	P	Pn	11 42 53.8 +1.3	MGMO	Mountain Grove	25.04 352	P	P	11 46 20.5 +0.3	
MOM2 El Cardon	1.34 85	P	Sn	11 41 23.7	+1.0	TEIG Tepich	7.87 357	P	Pn	11 42 53.8 +1.3	QUOK	Quay	25.05 343	Iamb	Iamb	11 46 46.7	
AMTN Mateare	1.39 93	P	Sn	11 41 23.9	+0.2	TEIG Tepich	7.87 357	P	Pn	11 42 53.8							
AMTN Mateare	1.39 93	S	Sn	11 41 41.3	+0.3	GMAL Guarumal, vera	7.94 124	P	Pn	11 43 04.3 +1.1	T35A	Sooner Cattle	25.69 344	Iamb	Iamb	11 46 32.9	
PQSS Presa 15 de Se	1.47 332	eP	Pn	11 41 24.9	+0.2	GMAL Guarumal, vera	7.94 124	P	Pn	11 43 04.3	AMTX	Amarillo	25.73 333	Iamb	Iamb	11 46 33.1	
PQSS Presa 15 de Se	1.47 332	eP	Pn	11 41 24.9	+0.2	CMIG Matias Romero	8.29 306	Pn	Pn	11 42 59.9 +1.6	S39A	Bolivia	25.73 350	Iamb	Iamb	11 46 42.6	
PQSS Presa 15 de Se	1.47 332	eP	Pn	11 41 44.2	+1.4	CMIG Matias Romero	8.29 306	Pn	Pn	11 42 59.9 +1.6	CROK	Carrier	25.75 341	Iamb	Iamb	11 46 29.0	
AFYN Apoyeque	1.48 346	jP	Pn	11 41 25.8	+0.7	CMIG Matias Romero	8.29 306	Pn	Pn	11 42 59.9 +1.6	CCM	Catedral	25.80 354	P	Iamb	11 46 26.6 -0.5	
CAHU Cacacatuque	1.48 346	jP	Pn	11 41 26.2	+1.0	CMIG Matias Romero	8.29 306	Pn	Pn	11 42 59.9 +1.6	CCM	Catedral	25.80 354	P	Iamb	11 46 28.4	
APQ2 Apoyeque	1.50 95	P	Sn	11 41 25.1	-0.1	CMIG Matias Romero	8.29 306	Pn	Pn	11 42 59.9 +1.6	WCI	Wyandotte Cava	25.84 3	P	Iamb	11 46 27.1 -0.3	
APQ2 Apoyeque	1.50 95	P	Sn	11 41 25.1	-0.1	CMIG Matias Romero	8.29 306	Pn	Pn	11 42 59.9 +1.6	WCI	Wyandotte Cava	25.84 3	P	Iamb	11 46 28.8	
APQ2 Apoyeque	1.50 95	P	Sn	11 41 25.9	+0.7	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	R40A	Maddies Statio	26.16 352	Iamb	Iamb	11 46 32.6	
TECO Alcadia de Te	1.51 323	eP	Pn	11 41 24.5	-0.4	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	121A	Cookes Peak, D	27.18 321	Iamb	Iamb	11 46 46.4	
TECO Alcadia de Te	1.51 323	eP	Pn	11 41 25.1	-0.2	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	RTBA	Rita Blanca	27.50 333	Iamb	Iamb	11 46 47.7	
TECO Alcadia de Te	1.51 323	eP	Pn	11 41 25.1	-0.2	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	P38A	Dawn	27.65 351	Iamb	Iamb	11 46 45.0	
ABCN Banco Central	1.52 97	P	Sn	11 41 26.0	+0.5	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	P53A	Whipple	27.66 11	Iamb	Iamb	11 47 15.3	
ABCN Banco Central	1.52 97	P	Sn	11 41 44.8	+0.7	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	R32A	Long Quarry	27.73 341	Iamb	Iamb	11 46 48.3	
BC87 San Francisco	1.54 83	P	Sn	11 41 25.9	+0.2	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	ANMO	Albuquerque	28.14 326	P	P	11 46 48.9 +0.4	
BC87 San Francisco	1.54 83	P	Sn	11 41 25.9	+0.2	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	ANMO	Albuquerque	28.14 326	LR	LR	11 58 43.5	
ALLN Telcor Managua	1.55 96	S	Sn	11 41 26.1	+0.2	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	O54A	Avella	28.14 326	Iamb	Iamb	11 46 55.0	
ALLN Telcor Managua	1.55 96	S	Sn	11 41 26.1	+0.2	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	BOAV	Boa Vista	28.81 108	eP	P	11 46 53.1 -1.3	
USIM UNAN	1.56 97	Pn	Sn	11 41 23.7	-2.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PV13	Radium Min., P	31.80 328	Iamb	Iamb	11 47 23.6	
TIGN Laguna Tiscapa	1.56 97	Pn	Sn	11 41 24.6	-1.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	ECS	EROS Data Cent	32.20 348	Iamb	Iamb	11 47 24.9	
ENAN Enatel Managu	1.57 97	P	Sn	11 41 25.9	+0.5	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PFO	Pinyon Flats O	33.61 314	LR	LR	12 02 59.7	
MGAN Managua	1.58 96	Pn	Pn	11 41 26.5	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	LPZA	La Paz	34.48 145	LR	LR	12 02 00.8	
MGAN Managua	1.58 96	Pn	Pn	11 41 26.0	-0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	RSSD	Black Hills	34.61 339	P	P	11 47 45.3 0.0	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	-0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	RSSD	Black Hills	34.61 339	P	P	11 47 51.9	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.7	-0.5	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	SPR3	Spring Creek 3	35.46 323	Iamb	Iamb	11 47 56.0	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	MDP	Montagnes des	35.51 99	LR	LR	12 03 38.6	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.7	-0.5	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	P31	Pinedale Array	35.70 332	Iamb	Iamb	11 47 58.2	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 54.7 +0.1	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P	11 47 55.1 +0.5	
MGAN Managua	1.58 96	Pn	Pn	11 41 25.9	+0.3	BCIP Isla Barro Col	8.48 111	Pn	Pn	11 43 01.0 +0.1	PDAR	Pinedale Array	35.70 332	P	P		

1779 MA2 Magadan 65.74 358 LR LR 13 20 23.3 ... ULN Ulaanbaatar 68.42 327 P P 12 51 50.3 +0.8 ... SONM Songino Array 68.75 327 P P 12 51 51.9 +0.3 ...

MSVF Nonsavu 2.63 266 P P 12 49 00.5 0.0 ... STKA Stephens Creek 38.14 241 P P 12 54 18.6 +0.1 ... WRA Warramunga Arr 43.96 259 P P 12 55 04.1 -0.5 ...

2019 JAN IDC 30 13:40:04.6; 1.0, 27.96N; 54.27E, h0km, mb3.9/14, mbmp3.8/16, ML3.4/2, MS3.0/3, Error ellipse: s-maj=20.7km s-min=17.9km az=0.0 ...

IDC 30 13:47:23.7; 1.0, 9.80N; 126.18E, h0km, mb3.7/8, mbmp3.7/8, MS3.4/2, Error ellipse: s-maj=50.4km s-min=21.9km az=111.0 ...

30d 14h H11S3 WAKE ISLAND Hy 40.18 73 T T 14 37 54.1 ... H11S1 WAKE ISLAND Hy 40.19 73 T T 14 37 55.6 ... H11S2 WAKE ISLAND Hy 40.20 73 T T 14 37 59.5 ...

IDC 30 13:59:28.7; 1.6, 0.93N; 125.74E, h0km, mb3.8/4, mbmp3.9/5, ML3.6/1, MS2.5/1, Error ellipse: s-maj=124.3km s-min=20.6km az=68.0 ...

KRSC 30 14:22:41.4; 1.0, 55.11N; 164.53E, h52km, 24km, MI3.6, Komandorsky Islands region ... BKI Bering 0.83 83 eP Sn 14 22 57.3 +0.4 ... BKI Khatyrka 1.27 319 eP Sn 14 23 06.7 +1.2 ...

SDD 30 14:38:26.4; 3.5, 19.25N; 70.28W, h17km, 14km, MD2.4, ML2.7, MW2.8, Dominican Republic region ... SFDR San Fco. de Ma 0.05 41 eP Pg 14 38 27.4 -2.2 ...

1781

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like JKRS, PKRT, PCYP, etc.

2019 JAN

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SLVN, Son La, SLVN, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like CMAR, BTO, BTO, etc.

30d 15h

AKT	e	15 25 59.0	D24K	Iamb	Iamb	15 26 21.2	H29M	Whitestone	74.67	24	Iamb	Iamb	15 26 36.1							
AKT	eS	15 33 50.5 -1.2	ANN	comp=Z,8.3nm,0.8s	Anapa	70.24	311	eP	15 26 03.2 -2.0	ANTO	Ankara	74.74	307	P	P	15 26 32.1 -0.1				
AKT	pmax		ANN					eS	15 26 05.7 -8.0	ANTO				Iamb	Iamb	15 26 46.5				
MAK	comp=Z,30nm,0.9s		ANN					pmax	15 25 16.2 +0.9	ANTO	comp=Z,27nm,1.0s									
MAK	Makhachkala	63.31	308	iP	P	15 25 18.6 -2.5	E24K	Your Creek	70.39	23	Iamb	Iamb	15 26 19.2	ANTO	Ankara	74.74	307	iP	P	15 26 32.8 +0.5
MAK				e	S	15 27 38.6	E24K	Susitna One	70.53	31	Iamb	Iamb	15 26 08.9	ANTO	Ankara	74.74	307	P	P	15 26 32.7 +0.5
MAK				eS	SS	15 37 53.8 -4.2	SUA	comp=Z,7.2nm,0.7s	70.54	331	eP	P	15 26 06.0 -0.7	ANTO	Ankara	74.74	307	P	P	15 26 31.3 -0.9
MAK				eSS	SS	15 37 53.8 -4.2	JOF	comp=Z,12nm,0.6s	70.51	331	eP	P	15 26 07.9 -1.4	HGN	Ignalita	74.79	324	eP	P	15 26 33.0 +0.8
MAK	comp=Z,125nm,1.0s			pmax	pmax		F24K	Squaw Lake	70.74	341	eP	P	15 26 25.6	DAWY	Dawson	74.92	27	Iamb	Iamb	15 26 49.9
MAK				MLR	MLR		F24K		70.74	331	eP	P	15 26 07.0 -0.7	MTSE	Matsula	75.09	328	eP	P	15 26 33.3 -0.4
TOO	comp=Z,288nm,18.0s	63.51	158	P	P	15 25 23.2 +1.0	NEA2	Nenana	70.75	27	Iamb	Iamb	15 26 19.8	MI28	MI28,Pidlybu	75.19	319	P	P	15 26 33.1 -1.4
TOO				Iamb	Iamb	15 25 24.4	D25K	Kavir River	70.93	22	Iamb	Iamb	15 26 26.2	LUBAR	Lubar, Ukraine	75.41	318	P	P	15 26 34.5 -1.3
TOO	comp=Z,16nm,0.9s	63.51	158	P	P	15 25 23.3 +1.0	MCK	McKinley	70.96	28	P	P	15 26 07.9 -1.4	SORM	Soroca	75.54	316	iP	P	15 26 36.0 -0.6
TOO				pmax	pmax		MCK	McKinley	70.96	28	P	P	15 26 20.5	SORM	Soroca	75.54	316	P	P	15 26 36.0 -0.6
F15K	comp=Z,16nm,0.9s	64.14	26	Iamb	Iamb	15 25 37.5	MCK	McKinley	70.96	28	P	P	15 26 07.9 -1.4	SORM	Soroca	75.54	316	P	P	15 26 34.9 -1.7
L14K	comp=Z,11nm,1.1s	64.83	31	P	P	15 25 29.8 -0.9	MCK	McKinley	70.96	28	P	P	15 26 20.5	INK	Inuvik	75.69	22	Iamb	Iamb	15 26 49.7
L14K	Kuka Creek			Iamb	Iamb	15 25 34.7	MCK	McKinley	70.96	28	P	P	15 26 07.9 -1.4	L29M	L29M	75.81	27	Iamb	Iamb	15 26 46.9
M14K	Bethel	65.18	32	Iamb	Iamb	15 26 42.7	MCK	McKinley	70.96	28	P	P	15 26 07.9 -1.4	K29M	Barlow Dome	75.81	27	P	P	15 26 37.4 -0.6
K15K	comp=Z,12nm,1.1s	65.38	30	P	P	15 25 34.3 0.0	G24K	Hadweenciz Riv	71.02	25	Iamb	Iamb	15 26 41.2	K29M				Iamb	Iamb	15 26 49.6
K15K	Wolf Creek Mou			Iamb	Iamb	15 25 53.6	RND	Reindeer	71.06	28	Iamb	Iamb	15 26 23.1	F31M	Tsigehtichic	75.95	23	Iamb	Iamb	15 26 39.9
F17K	comp=Z,12nm,1.2s	65.56	26	Iamb	Iamb	15 25 49.9	WRH	Wood River Hill	71.19	27	Iamb	Iamb	15 26 51.5	G31M	Satah River	75.96	23	Iamb	Iamb	15 26 40.1
GNI	Baldwin Pennin	65.71	305	P	P	15 25 37.2 +0.1	POKR	Poker Plat Res	71.34	27	Iamb	Iamb	15 26 23.4	PABE	Pabezer	75.97	324	P	P	15 26 38.5 -0.3
GNI	Garni	65.71	305	iP	P	15 25 37.8 +0.7	F25K	Christian River	71.54	24	P	P	15 26 11.7 -1.1	PABE	Pabezer	75.97	324	eP	P	15 26 38.9 0.0
GNI				pmax	pmax		ARCES	ARCESS Array B	71.57	338	P	P	15 26 12.9 0.0	NDNU	Novodnistrovsk	76.04	317	P	P	15 26 38.2 -1.2
E18K	comp=Z,21nm,0.9s	65.84	25	Iamb	Iamb	15 25 53.0	ILAR	Eielson Array	71.64	27	P	P	15 26 12.6 -0.8	TLCR	TLCR	76.08	313	iP	P	15 26 40.1 +0.3
E18K	Tukpahleark C			Iamb	Iamb	15 25 53.0	SPITS	Spitsbergen Ar	71.73	348	P	P	15 26 13.5 -0.2	TLCR				P	P	15 26 40.0 +0.3
N15K	comp=Z,7.5nm,0.8s	66.12	33	Iamb	Iamb	15 26 03.8	BMAR	Burnt Mountain	71.98	24	P	P	15 26 15.6 +0.2	RNPP9	Sopachiv	76.12	320	P	P	15 26 38.4 -1.4
N15K	Kwethluk River			Iamb	Iamb	15 26 03.8	GAZ	Gaziantep	72.07	304	Iamb	Iamb	15 26 18.6	RNPP9	Varash	76.16	320	P	P	15 26 39.1 -1.0
L16K	Owhat River	66.46	318	eP	P	15 25 44.0	SIM	Simferopol	72.52	312	eP	S	15 26 18.4 -0.6	RNPP9	Staryi Chortor	76.16	320	P	P	15 26 39.2 -0.9
VRH	Novokhopyporsk			eP	P	15 25 40.7 -0.6	SIM				eS	S	15 35 43.1 +1.5	TPGR	TPGR	76.44	317	iP	P	15 26 42.1 +0.2
VRH				pmax	pmax		SIM				smax	smax		HORU	Horodok	76.45	318	P	P	15 26 40.9 -0.5
J17K	comp=Z,68nm,1.0s	66.49	29	Iamb	Iamb	15 26 01.1	SIM				MLR	MLR		SCTR	Scantelesti	76.49	314	iP	P	15 26 42.6 +0.6
J17K	VABM Dome			Iamb	Iamb	15 26 01.1	SIM				MLR	MLR		CFR	Carcalui	76.54	317	iP	P	15 26 41.8 -0.5
KBZ	comp=Z,14nm,1.1s	66.55	309	P	P	15 25 42.8 +0.6	SIM				MLR	MLR		CFR	Carcalui	76.54	317	P	P	15 26 41.8 -0.5
KBZ	Khabaz						SIM				MLR	MLR		M30M	Minto, Yukon	76.57	28	Iamb	Iamb	15 26 41.8 -0.5
KIV	Kislovodsk	66.67	310	P	P	15 25 43.4 +0.3	SIM				MLR	MLR		A36M	Sachs Harbour	76.61	17	Iamb	Iamb	15 26 58.1
KIV	Kislovodsk	66.67	310	iP	P	15 25 44.2 +1.1	SIM				MLR	MLR		HARR	Harsova	76.83	313	iP	P	15 26 44.1 +0.2
KIV	Kislovodsk	66.67	310	eS	S	15 25 43.6 +0.5	SIM				MLR	MLR		HARR	Harsova	76.83	313	P	P	15 26 44.1 +0.2
KIV				pmax	pmax	15 34 36.6 +3.5	SIM				MLR	MLR		N30M	Aishikik Lake	76.85	29	Iamb	Iamb	15 26 55.8
KIV				pmax	pmax		SIM				MLR	MLR		SUW	Suwalki	76.88	323	eP	P	15 26 44.0 -0.1
KIV	comp=Z,72nm,1.0s			MLR	MLR		RIDG	Independent Riv	72.74	28	Iamb	Iamb	15 26 30.9	SUW	Suwalki	76.88	323	P	P	15 26 42.3 -1.8
KIV				MLR	MLR		SCRK	Sand Creek	73.05	27	P	P	15 26 20.7 -1.2	SUW	Suwalki	76.88	323	P	P	15 26 42.3 -1.8
SHA1	Shidzhatmaz	66.72	310	iP	P	15 25 43.3 -0.3	G27K	Doyon Strip	73.24	24	Iamb	Iamb	15 26 54.8	SUW	Suwalki	76.88	323	eP	P	15 26 44.0 -0.1
D19K	Kuna River	66.79	23	Iamb	Iamb	15 26 03.5	F25K	FINESSE Array B	73.25	330	P	P	15 26 22.8 -0.2	YLV	Yalova	77.05	309	P	P	15 26 44.6 -0.8
K17K	Iditarod	66.87	30	Iamb	Iamb	15 26 05.6	BZK	Bokhurt	73.31	309	iP	P	15 26 24.1 +0.3	ODBI	Obdosti	77.09	314	iP	P	15 26 45.1 -0.3
KARS	Kars	66.89	306	P	P	15 25 45.7 +1.1	N25K	Chitina, Valde	73.38	30	Iamb	Iamb	15 26 40.6	TESR	Tescani	77.13	315	iP	P	15 26 45.9 +0.2
KARS	Kars	66.89	306	P	P	15 25 45.7 +1.1	MENT	Mentasta	73.43	28	Iamb	Iamb	15 27 28.4	TESR	Tescani	77.13	315	P	P	15 26 45.0 -0.7
KARS				pmax	pmax		L26K	Log Cabin Wild	73.57	28	Iamb	Iamb	15 26 25.2 +0.2	VR1	Vrincioia	77.28	314	iP	P	15 26 47.6 +1.0
KLMR	Klimovskoe	66.91	328	eP	P	15 25 39.0 -5.1	L26K				Iamb	Iamb	15 26 38.6	VR1	Vrincioia	77.28	314	P	P	15 26 47.5 +1.0
KLMR				pmax	pmax		KEF	Keuruu	73.61	331	eP	P	15 26 23.9 -1.3	VR1	Vrincioia	77.28	314	P	P	15 26 46.2 -0.3
KLMR	comp=Z,45nm,1.3s			MLR	MLR		VSU	Vasula	73.69	327	ceP	P	15 26 25.4 -0.2	PLO3	Plostina	77.33	314	iP	P	15 26 47.5 +0.6
KLMR	comp=Z,722nm,13.0s			MLR	MLR		VSU				pmax	pmax		PLO3	Plostina	77.33	314	P	P	15 26 47.4 +0.6
E19K	Redstone River	67.14	24	Iamb	Iamb	15 26 02.8	GLB	Gilahina Butte	73.79	30	Iamb	Iamb	15 26 37.3	PLO3	Plostina Array	77.33	314	P	P	15 26 46.0 -0.9
G19K	Purcell Mounta	67.24	26	Iamb	Iamb	15 26 16.2	M26K	Nabesna, Ar	73.90	29	Iamb	Iamb	15 26 29.1	ONER	Baraj Valea Uz	77.55	310	iP	P	15 26 47.7 +0.8
H19K	Roundabout Mou	67.53	27	Iamb	Iamb	15 26 00.3	KIRS	Kirsehir-Merke	74.09	306	iP	P	15 26 28.8 +0.3	CTYL	Yalkov Yuz	77.55	310	iP	P	15 26 47.0 -1.1
L18K	Granite Mounta	67.64	30	Iamb	Iamb	15 26 05.8	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	KSV	Kosov	77.58	317	P	P	15 26 46.5 -1.7
F20K	comp=Z,35nm,1.7s	67.74	25	Iamb	Iamb	15 26 00.7	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	COVR	Voineasa-Covas	77.63	314	iP	P	15 26 48.9 +0.4
FTA	Tatalina	67.90	29	P	P	15 25 49.0 -1.5	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	NEHR	Nehoiu	77.70	314	iP	P	15 26 49.3 +0.4
TTA	Tatalina	67.90	29	Iamb	Iamb	15 25 54.2	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	BUNAR	Bucovina Array	77.71	316	iP	P	15 26 49.2 +0.2
TTA							MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	EDRAR	Edrovinia Array	77.71	316	iP	P	15 26 49.2 +0.2
TTA	comp=Z,42nm,2.0s	67.90	29	P	P	15 25 51.7 +1.2	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	STNU	Starunia	77.81	318	P	P	15 26 47.5 -1.9
TTA	Tatalina	67.90	29	P	P	15 25 49.0 -1.5	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	OZUR	Muntele Rosu	77.83	315	iP	P	15 26 49.8 +0.2
SIRT	Sirmak	67.94	303	P	P	15 25 50.8 -0.4	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	MLR	Muntele Rosu	77.83	315	Iamb	Iamb	15 26 51.6
VORR	Voronezh	67.95	318	eP	P	15 25 50.6 -0.3	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	MLR	Muntele Rosu	77.83	315	P	P	15 26 51.2 +1.0
VORR				pmax	pmax		MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	MLR	Muntele Rosu	77.83	315	P	P	15 26 51.2 +1.0
ERBR	Yeremizin-Bor	67.96	312	eP	P	15 25 48.6 -2.5	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	MLR	Muntele Rosu	77.83	315	P	P	15 26 49.5 -0.7
ERBR				ePP	P	15 25 48.6 -2.5	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	BAND	Balkesir-Ban	78.04	309	iP	P	15 26 51.1 +0.3
ERBR				eS	S	15 25 52.2 -7.3	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	MORS	Morshin	78.05	318	P	P	15 26 50.2 -0.5
ERBR				pmax	pmax	15 34 48.4 +0.2	MNK	MNK	74.10	323	iP	P	15 26 27.2 -0.9	DOPR	Dojoc	78.13	25	iP	P	15 26 50.5 -0.8
LABN	Labinsk	67.96	311	eP	P	15 25 48.6 -2.5	MNK	MNK	74.10											

Table with columns: JCT, comp, pmax, pmax, and various station names like Tabatinga, AM, HKT, Hockley, Douglas, Jarrell, Brady, etc.

Table with columns: PFO, Pinyon Flats O, 39.52 345, P, P, 15 39 03.3 -1.1, and various station names like Pan de Azucar, Amarillo, BAUV, etc.

Table with columns: PV23, MT05, MT09, PEEM, PCDR, PMPB, S11A, PCRV, 257A, MT16, MT03, BO01, BO01, MGMO, MVU, Q24A, Q24A, Q24A, B105, DSP, BO04, BO04, ZON, MT13, MT13, PBMO, TCRU, BBGB, MT08, X51A, LMELE, LMELE, Q16A, SWET, BO02, BO02, WWT, WWT, WWT, V48A, R11B, R11B, R11B, SAO, ML02, TMUT, SPR3, ISCO, CGM3, P18A, KSU1, KSU1, LHV, LHV, UUPR, W52A, OBIP, OBIP, AOPR, AOPR, HODGE, R40A, CPCT, CSU, CCM, CCM, CCM, CCM, NVAR, NVAR, NVAR, NHSC, BI02, BI02, MACA, Q09A, Q20A, Q20A, TVO, TVO, TVO, RYN, RYN, RYN, BG3, T47A, T47A

30d 15h

MAYO	Mayo, Yukon	71.88 346	IAMs_20	IAMs_20	16 11 46.7
MAYO	Mayo, Yukon	71.88 346	P	P	15 42 56.4 +0.3
L29M	L29M	72.02 345	IAMs_20	IAMs_20	16 08 09.5
L29M	L29M	72.02 345	P	P	15 42 57.2 +0.2
L29M	L29M	72.02 345	S	S	15 52 23.0 +4.7
VRDI	Verde Repeater	72.04 342	IAMs_20	IAMs_20	16 06 24.9
BVCY	Beaver Creek	72.20 344	P	P	15 42 56.7 -1.4
BVCY	Beaver Creek	72.20 344	S	S	15 52 22.6 +2.4
BMRM	Bremner River	72.21 341	P	P	15 42 57.5 -0.7
BMRM	Bremner River	72.21 341	P	P	15 42 57.2 -1.0
BMRM	Bremner River	72.21 341	S	S	15 52 21.7 +1.3
EYAK	Cordova Ski Ar	72.27 340	P	P	15 42 58.4 -0.1
GLB	Gilahina Butte	72.31 342	P	P	15 42 58.1 -0.7
GLB	Gilahina Butte	72.31 342	IAMs_20	IAMs_20	16 07 31.2
P23K	Montage Isian	72.44 339	P	P	15 42 59.4 -0.1
RAO	Raoul Island	72.44 241	IAMs_20	IAMs_20	16 06 03.1
RAO	Raoul Island	72.44 241	LR	LR	16 06 57.2
M27K	Edge Creek, AK	72.44 343	P	P	15 42 59.2 -0.4
M27K	Edge Creek, AK	72.44 343	S	S	15 52 27.3 +4.1
M27K	Edge Creek, AK	72.44 343	S	S	15 52 27.3 +4.1
K29M	Barlow Dome	72.48 346	IAMs_20	IAMs_20	16 08 38.6
K29M	Barlow Dome	72.48 346	P	P	15 42 58.6 -1.2
K29M	Barlow Dome	72.48 346	S	S	15 52 26.0 +2.4
FID	Port Fidalgo	72.66 340	IAMs_20	IAMs_20	16 07 45.7
N25K	Chitina, Valde	72.69 342	IAMB	IAMB	15 43 10.6
N25K	Chitina, Valde	72.69 342	IAMs_20	IAMs_20	16 07 41.0
N25K	Chitina, Valde	72.69 342	P	P	15 43 00.5 -0.6
N25K	Chitina, Valde	72.69 342	S	S	15 52 29.5 +3.6
SII	Sitkinak Isian	72.80 334	P	P	15 43 01.1 -0.6
M26K	Nabesna, AK	72.81 343	IAMs_20	IAMs_20	16 07 39.1
M26K	Nabesna, AK	72.81 343	P	P	15 43 01.0 -0.7
M26K	Nabesna, AK	72.81 343	S	SKIKP	15 52 30.5 -4.9
M26K	Nabesna, AK	72.81 343	S	SKIKP	15 52 30.5 -4.9
J30M	Hart River	72.81 347	P	P	15 43 01.9 +0.1
J30M	Hart River	72.81 347	IAMB	IAMB	15 43 10.2
J30M	Hart River	72.81 347	IAMs_20	IAMs_20	16 12 27.4
J30M	Hart River	72.81 347	P	P	15 43 01.4 -0.4
J30M	Hart River	72.81 347	S	S	15 52 29.3 +1.9
OHAK	Old Harbor	72.83 335	P	P	15 43 00.6 -1.3
OHAK	Old Harbor	72.83 335	S	SKIKP	15 52 31.9 -3.5
KDAK	Kodiak Island	72.90 336	LR	LR	16 07 59.5
KDAK	Kodiak Island	72.90 336	P	P	15 43 02.2 0.0
KDAK	Kodiak Island	72.90 336	S	SKIKP	15 52 31.2 -4.3
KDAK	Kodiak Island	72.90 336	P	P	15 43 05.1 +2.9
GLI	Glacier Island	72.97 340	P	P	15 43 01.5 -1.1
BCAR	Beaver Creek A	72.97 344	P	P	15 43 01.4 -1.3
L27K	Beaver Creek	72.98 344	P	P	15 43 01.7 -1.0
L27K	Beaver Creek	72.98 344	S	SKIKP	15 52 31.9 -3.7
CHIR	Chirikof Isian	72.98 333	P	P	15 43 02.3 -0.5
KLU	Klutina	73.03 341	P	P	15 43 02.6 -0.4
KLU	Klutina	73.03 341	IAMB	IAMB	15 43 12.0
KLU	Klutina	73.03 341	IAMs_20	IAMs_20	16 07 47.0
KLU	Klutina	73.03 341	P	P	15 43 02.1 -0.9
KLU	Klutina	73.03 341	S	SKIKP	15 52 32.4 -3.4
DAWY	Dawson	73.13 345	IAMB	IAMB	15 43 12.9
DAWY	Dawson	73.13 345	P	P	15 43 03.7 +0.1
DAWY	Dawson	73.13 345	S	S	15 52 32.1 +1.3
J29N	Klondike Camp	73.16 346	IAMs_20	IAMs_20	16 09 42.5
J29N	Klondike Camp	73.16 346	P	P	15 43 03.3 -0.5
J29N	Klondike Camp	73.16 346	S	SKIKP	15 52 32.9 -3.0
SEW	Seward	73.24 339	P	P	15 43 03.7 -0.5
SEW	Seward	73.24 339	S	SKIKP	15 52 35.5 -0.5
Q20K	Shuyak Island	73.36 336	P	P	15 43 04.5 -0.5
Q20K	Shuyak Island	73.36 336	S	S	15 52 31.9 -1.5
I30M	Mount Dempster	73.37 347	IAMB	IAMB	15 43 13.9
I30M	Mount Dempster	73.37 347	IAMs_20	IAMs_20	16 13 12.2
I30M	Mount Dempster	73.37 347	P	P	15 43 04.8 -0.3
I30M	Mount Dempster	73.37 347	S	SKIKP	15 52 34.3 -2.0
PWL	Port Wells	73.38 340	IAMs_20	IAMs_20	16 08 14.3
PWL	Port Wells	73.38 340	P	P	15 43 03.6 -1.5
PWL	Port Wells	73.38 340	S	SKIKP	15 52 35.7 -0.5
L26K	Log Cabin Wild	73.39 343	IAMB	IAMB	15 43 14.1
L26K	Log Cabin Wild	73.39 343	IAMs_20	IAMs_20	16 08 01.6
L26K	Log Cabin Wild	73.39 343	P	P	15 43 04.3 -0.8
L26K	Log Cabin Wild	73.39 343	S	SKIKP	15 52 35.6 -0.6
L26K	Log Cabin Wild	73.39 343	S	SKIKP	15 52 35.6 -0.6
H31M	Peel River	73.43 348	IAMs_20	IAMs_20	16 11 48.8
H31M	Peel River	73.43 348	P	P	15 43 04.8 -0.6
H31M	Peel River	73.43 348	S	SKIKP	15 52 35.1 -1.1
HARP	HAARP	73.46 342	P	P	15 43 04.6 -0.9
BRSE	Bradley Lake S	73.47 338	P	P	15 43 05.4 -0.2
BRSE	Bradley Lake S	73.47 338	S	SKIKP	15 52 36.1 -0.3
R18K	Karluk	73.54 335	P	P	15 43 04.6 -1.4
R18K	Karluk	73.54 335	S	SKIKP	15 52 37.8 +1.3
R18K	Karluk	73.54 335	S	SKIKP	15 52 37.8 +1.3
BRLL	Bradley Lake	73.54 338	P	P	15 43 06.2 +0.1

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M24K	Tolsona, Glenn	73.56 341	IAMs_20	IAMs_20	16 08 06.1
M24K	Tolsona, Glenn	73.56 341	P	P	15 43 06.4 +0.2
O22K	Cooper Landing	73.60 339	IAMs_20	IAMs_20	16 06 49.3
O22K	Cooper Landing	73.60 339	P	P	15 43 06.7 +0.3
O22K	Cooper Landing	73.60 339	S	SKIKP	15 52 39.0 +2.4
FRB	Frobisher Bay	73.66 16	LR	LR	16 14 34.9
SCM	Sheep Creek Mo	73.73 341	IAMs_20	IAMs_20	16 08 07.7
SCM	Sheep Creek Mo	73.73 341	P	P	15 43 07.2 0.0
SCM	Sheep Creek Mo	73.73 341	S	SKIKP	15 52 39.1 +2.2
HOM	Homér	73.75 338	P	P	15 43 07.4 +0.1
SLKM	Skilak Lake	73.80 339	IAMs_20	IAMs_20	16 07 26.6
KNK	Knik Glacier	73.81 340	P	P	15 43 06.2 -1.5
KNK	Knik Glacier	73.81 340	IAMs_20	IAMs_20	16 08 29.8
KNK	Knik Glacier	73.81 340	P	P	15 43 08.2 +0.6
KNK	Knik Glacier	73.81 340	S	SKIKP	15 52 38.8 +1.9
M23K	Glacier View	73.84 341	P	P	15 43 07.6 -0.2
I29M	Ogilvie Camp	73.93 346	IAMB	IAMB	15 43 17.0
I29M	Ogilvie Camp	73.93 346	IAMs_20	IAMs_20	16 10 29.0
I29M	Ogilvie Camp	73.93 346	P	P	15 43 08.7 +0.4
I29M	Ogilvie Camp	73.93 346	S	S	15 52 40.7 +0.9
PAX	Paxson	73.98 342	IAMB	IAMB	15 43 17.3
PAX	Paxson	73.98 342	P	P	15 43 08.0 -0.7
PAX	Paxson	73.98 342	S	S	15 52 41.5 +0.9
RC01	Rabbit Creek A	74.03 339	IAMs_20	IAMs_20	16 09 23.5
RC01	Rabbit Creek A	74.03 339	P	P	15 43 08.2 -0.7
RC01	Rabbit Creek A	74.03 339	S	S	15 52 44.2 +3.2
SML	Sawmill	74.05 340	IAMs_20	IAMs_20	16 09 57.0
SML	Sawmill	74.05 340	P	P	15 43 08.0 -1.0
Q19K	Cape Douglas,	74.06 336	P	P	15 43 08.4 -0.8
Q19K	Cape Douglas,	74.06 336	S	S	15 52 43.0 +1.5
Q19K	Cape Douglas,	74.06 336	S	S	15 52 43.0 +1.5
EGAK	Eagle	74.17 345	IAMs_20	IAMs_20	16 08 59.1
EGAK	Eagle	74.17 345	P	P	15 43 09.2 -0.4
EGAK	Eagle	74.17 345	S	S	15 52 45.9 +3.5
PMR	Palmer	74.17 340	IAMs_20	IAMs_20	16 09 39.2
PMR	Palmer	74.17 340	P	P	15 43 09.2 -0.5
PMR	Palmer	74.17 340	S	S	15 52 43.6 +1.2
GHO	Glory Hole Cre	74.22 340	P	P	15 43 09.0 -1.1
GHO	Glory Hole Cre	74.22 340	IAMB	IAMB	15 43 18.7
GHO	Glory Hole Cre	74.22 340	IAMs_20	IAMs_20	16 09 51.7
FIS	Fire Island	74.23 339	IAMs_20	IAMs_20	16 07 42.9
CHNA	Chernabura Isl	74.28 331	P	P	15 43 09.9 -0.5
SCRK	Sand Creek	74.31 343	IAMB	IAMB	15 43 19.6
SCRK	Sand Creek	74.31 343	P	P	15 43 09.8 -0.8
SCRK	Sand Creek	74.31 343	S	S	15 52 47.2 +2.9
CAPN	Captain Cook N	74.31 339	IAMs_20	IAMs_20	16 08 02.1
CAPN	Captain Cook N	74.31 339	P	P	15 43 09.8 -0.7
P19K	Oil Pt	74.36 337	P	P	15 43 10.4 -0.5
P19K	Oil Pt	74.36 337	S	S	15 43 10.2 -0.7
P19K	Oil Pt	74.36 337	S	S	15 52 46.1 +1.2
RIDG	Independent Ri	74.37 343	P	P	15 43 09.8 -1.1
RIDG	Independent Ri	74.37 343	S	S	15 52 45.7 +0.8
G31M	Satah River	74.39 349	IAMs_20	IAMs_20	16 12 32.3
G31M	Satah River	74.39 349	P	P	15 43 10.7 -0.1
G31M	Satah River	74.39 349	S	S	15 52 46.5 +1.7
I28M	Miner Creek	74.40 346	IAMB	IAMB	15 43 20.7
I28M	Miner Creek	74.40 346	IAMs_20	IAMs_20	16 09 36.3
I28M	Miner Creek	74.40 346	P	P	15 43 10.7 -0.4
I28M	Miner Creek	74.40 346	S	S	15 52 46.4 +1.2
O20K	Slope Mountain	74.41 338	P	P	15 43 10.4 -0.8
EPYK	Eagle Plains	74.42 347	IAMs_20	IAMs_20	16 12 07.9
EPYK	Eagle Plains	74.42 347	P	P	15 43 09.6 -1.5
EPYK	Eagle Plains	74.42 347	S	S	15 52 47.9 +2.6
CHGN	Chignik	74.54 332	IAMB	IAMB	15 43 19.3
CHGN	Chignik	74.54 332	P	P	15 43 10.9 -1.0
CHGN	Chignik	74.54 332	S	S	15 52 47.8 +1.0
ILSW	Iliamna Southw	74.54 337	IAMB	IAMB	15 43 19.7
Q17K	Contact Creek	74.57 335	P	P	15 43 10.7 -1.5
Q17K	Contact Creek	74.57 335	S	S	15 52 50.2 +2.8
J26L	Joseph Creek	74.59 344	IAMB	IAMB	15 43 21.2
J26L	Joseph Creek	74.59 344	P	P	15 43 11.4 -0.8
J26L	Joseph Creek	74.59 344	S	S	15 52 50.5 +3.1
M22K	Willow	74.62 340	P	P	15 43 11.3 -0.9
M22K	Willow	74.62 340	IAMs_20	IAMs_20	16 10 34.1
M22K	Willow	74.62 340	P	P	15 43 11.9 -0.4
SUA	Susitna One	74.64 339	IAMB	IAMB	15 43 21.2
SUA	Susitna One	74.64 339	IAMs_20	IAMs_20	16 07 34.7
SUA	Susitna One	74.64 339	P	P	15 43 12.2 -0.4
H29M	Whitestone	74.66 347	IAMs_20	IAMs_20	16 13 52.8
H29M	Whitestone	74.66 347	P	P	15 43 12.3 -0.2
K24K	Donnelly Dome	74.70 343	P	P	15 43 11.9 -0.8
F31M	Tsigichtic	74.74 349	P	P	15 43 12.6 -0.3

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O17K	Koliganek Bris	75.98 336	P	P	15 43 19.5 -0.6
O17K	Kantishna Hill		S	S	15 53 04.0 +1.3
N18K	Kilae Creek	76.04 337	P	S	15 43 19.8 -0.7
N18K			S	S	15 53 04.6 +1.1
N18K			S	S	15 53 04.6 +1.1
COLA	College	76.10 343	IAMS_20	IAMS_20	16 09 57.3
COLA	College	76.10 343	P	P	15 43 20.0 -0.7
COLA	College	76.10 343	i P	p max	15 43 21.7 +1.0
COLA			S	S	15 53 20.5 -0.5
PPLA	Purkeypile	76.11 340	P	P	15 43 20.5 -0.5
PPLA			S	S	15 53 04.0 -0.4
KTH	Kantishna Hill	76.12 341	IAMS_20	IAMS_20	16 11 14.9
F28M	Old Crow	76.15 347	IAMB	IAMB	15 43 29.6
F28M	Old Crow		IAMS_20	IAMS_20	16 12 01.6
F28M	Old Crow	76.15 347	P	P	15 43 21.3 +0.3
F28M			S	S	15 53 04.8 +0.4
POKR	Poker Plat Res	76.15 343	IAMB	IAMB	15 43 30.2
POKR			IAMS_20	IAMS_20	16 13 45.6
POKR	Poker Plat Res	76.15 343	P	P	15 43 21.4 +0.3
POKR			S	S	15 53 04.8 +0.3
POKR			S	S	15 53 04.8 +0.3
FALS	False Pass	76.18 330	P	P	15 43 20.7 -0.6
FALS			S	S	15 53 07.7 +2.5
NEA2	Nenana	76.26 342	IAMS_20	IAMS_20	16 11 05.6
NEA2	Nenana	76.26 342	P	P	15 43 21.4 -0.3
NEA2			S	S	15 53 07.0 +1.3
O16K	Kokwok River B	76.28 335	IAMB	IAMB	15 43 29.8
O16K	Kokwok River B	76.28 335	P	P	15 43 21.4 -0.5
O16K			S	S	15 53 06.6 +0.5
E29M	Blow River	76.37 348	IAMB	IAMB	15 43 30.3
E29M			IAMS_20	IAMS_20	16 13 24.0
E29M	Blow River	76.37 348	P	P	15 43 21.8 -0.4
E29M			S	S	15 53 06.1 -0.7
CAST	Castle Rocks	76.42 340	IAMS_20	IAMS_20	16 09 09.7
CAST	Castle Rocks	76.42 340	P	P	15 43 22.1 -0.6
CAST			S	S	15 53 06.0 -1.5
L20K	Farewell, AK	76.42 339	P	P	15 43 22.2 -0.5
L20K			S	S	15 53 07.4 -0.3
L20K			S	S	15 53 07.4 -0.3
N17K	Nushagak Hills	76.46 336	P	P	15 43 21.1 -1.8
N17K	Nushagak Hills	76.46 336	P	P	15 43 21.7 -1.2
N17K			S	S	15 53 10.5 +2.5
M18K	Stony River	76.52 338	P	P	15 43 22.5 -0.7
M18K			S	S	15 53 09.2 +0.6
BPAW	Bear Paw Mtn.	76.52 341	IAMS_20	IAMS_20	16 10 04.4
BPAW	Bear Paw Mtn.	76.52 341	P	P	15 43 22.2 -1.0
BPAW			S	S	15 53 08.8 +0.1
G26K	Purcupine River	76.55 345	P	P	15 43 23.8 +0.6
H25L	Birch Creek	76.55 344	P	P	15 43 23.4 +0.2
L19K	White Mountain	76.59 339	IAMS_20	IAMS_20	16 09 27.2
L19K	White Mountain	76.59 339	P	P	15 43 22.7 -0.9
L19K			S	S	15 53 09.1 -0.3
L19K			S	S	15 53 09.1 -0.3
I23K	Minto, Yukon-K	76.74 342	IAMS_20	IAMS_20	16 10 23.3
I23K	Minto, Yukon-K	76.74 342	P	P	15 43 24.1 -0.3
I23K			S	S	15 53 12.2 +1.3
I23K			S	S	15 53 12.2 +1.3
O15K	Ungalikthiuk R	76.78 335	P	P	15 43 23.0 -1.7
O15K			S	S	15 53 12.8 +1.3
H24K	Noodor Dome	76.81 343	IAMS_20	IAMS_20	16 11 19.9
H24K	Noodor Dome	76.81 343	P	P	15 43 24.7 -0.1
H24K			S	S	15 53 12.3 +0.5
H24K			S	S	15 53 12.3 +0.5
CHUM	Lake Minchumin	76.81 341	P	P	15 43 24.6 -0.1
E28M	Babbage River	76.89 348	IAMB	IAMB	15 43 33.0
E28M			IAMS_20	IAMS_20	16 12 51.7
E28M	Babbage River	76.89 348	P	P	15 43 24.6 -0.6
E27K	Coleen River	77.00 347	P	P	15 43 24.4 -1.4
E27K			IAMS_20	IAMS_20	16 12 25.0
E27K	Coleen River	77.00 347	P	P	15 43 24.7 -1.2
E27K			S	S	15 53 13.7 -0.1
K20K	Telida	77.06 340	IAMS_20	IAMS_20	16 11 14.2
K20K	Telida	77.06 340	P	P	15 43 25.4 -0.8
N16K	Nishiik Lake	77.07 336	P	P	15 43 24.7 -1.7
N16K			S	S	15 53 14.7 0.0
M17K	Holinta River	77.08 337	IAMB	IAMB	15 43 34.4
M17K	Holinta River	77.08 337	P	P	15 43 25.9 -0.5
M17K			S	S	15 53 14.6 -0.2
BMAR	Burnt Mountain	77.11 346	P	P	15 43 25.1 -1.5
F26K	Sheenjek River	77.21 346	IAMB	IAMB	15 43 36.0
F26K			IAMS_20	IAMS_20	16 11 12.6
F26K	Sheenjek River	77.21 346	P	P	15 43 25.3 -1.7
F26K			S	S	15 53 18.4 +2.3
URZ	Urewera	77.25 232	LR	LR	16 11 59.3
L18K	Granite Mounta	77.29 338	IAMB	IAMB	15 43 35.9
L18K	Granite Mounta	77.29 338	P	P	15 43 27.6 +0.1

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UNV	Unalaska Valle	77.30 328	P	P	15 43 27.7 0.0
UNV	Unalaska Valle	77.30 328	P	P	15 43 26.6 -1.1
G24K	Hadweenciz Riv	77.32 344	IAMS_20	IAMS_20	16 10 27.6
G24K	Hadweenciz Riv	77.32 344	P	P	15 43 28.1 +0.5
G24K			S	S	15 53 19.5 +2.3
D28M	Stokes Point	77.33 348	P	P	15 43 27.0 -0.5
D28M			S	S	15 53 17.1 +0.1
O14K	Tigykauivuet M	77.44 334	P	P	15 43 28.6 +0.2
O14K			IAMB	IAMB	15 43 35.9
O14K	Tigykauivuet M	77.44 334	P	P	15 43 27.1 -1.3
O14K			S	S	15 53 21.1 +2.4
N15K	Kwethluk River	77.44 335	IAMB	IAMB	15 43 36.1
N15K	Kwethluk River	77.44 335	P	P	15 43 27.7 -0.8
N15K			S	S	15 53 19.8 +1.0
M16K	Timber Creek	77.46 336	IAMB	IAMB	15 43 36.9
M16K	Timber Creek	77.46 336	P	P	15 43 27.7 -0.8
M16K			S	S	15 53 19.9 +1.0
TTA	Tatalina	77.47 339	IAMS_20	IAMS_20	16 10 06.6
TTA	Tatalina	77.47 339	P	P	15 43 27.7 -1.0
F25K	Christian River	77.51 345	IAMB	IAMB	15 43 38.7
F25K	Christian River	77.51 345	P	P	15 43 29.4 +0.6
F25K			S	S	15 53 21.9 +2.6
I21K	Tanana	77.57 342	P	P	15 43 28.1 -0.9
I21K			IAMB	IAMB	15 43 38.7
I21K	Tanana	77.57 342	P	P	15 43 28.7 -0.3
I21K			S	S	15 53 20.9 +0.9
I21K			S	S	15 53 20.9 +0.9
J20K	Nowinta River	77.61 340	IAMS_20	IAMS_20	16 09 47.2
J20K	Nowinta River	77.61 340	P	P	15 43 28.5 -0.8
J20K			S	S	15 53 20.0 -0.4
J20K			S	S	15 53 20.0 -0.4
A36M	Sachs Harbour	77.64 354	IAMB	IAMB	15 43 38.1
A36M	Sachs Harbour	77.64 354	P	P	15 43 29.0 -0.2
A36M			S	S	15 53 22.7 +2.3
D27M	Malcolm River	77.71 348	IAMB	IAMB	15 43 39.2
D27M			IAMS_20	IAMS_20	16 13 05.5
D27M	Malcolm River	77.71 348	P	P	15 43 29.7 -0.2
L17K	Donin	77.84 337	P	P	15 43 29.9 -0.7
L17K			S	S	15 53 23.7 +0.7
H22K	Ishatitna Cre	77.87 342	P	P	15 43 30.4 -0.4
E25K	Arctic Village	77.89 346	IAMB	IAMB	15 43 39.9
E25K	Arctic Village	77.89 346	P	P	15 43 30.8 0.0
E25K			S	S	15 53 24.3 +0.9
M15K	Kasigluk River	77.98 336	P	P	15 43 30.0 -1.4
N14K	Kuskokwak Cree	77.98 335	P	P	15 43 30.0 -1.4
J19K	Poorman	78.00 340	P	P	15 43 30.9 -0.5
J19K			IAMS_20	IAMS_20	16 11 53.4
J19K	Poorman	78.00 340	P	P	15 43 31.6 +0.2
F24K	Squaw Lake	78.03 345	IAMB	IAMB	15 43 40.9
F24K			IAMS_20	IAMS_20	16 10 52.6
F24K	Squaw Lake	78.03 345	P	P	15 43 32.3 +0.6
F24K			S	S	15 53 27.7 +2.7
G23K	Bananza Creek	78.04 343	P	P	15 43 30.2 -1.5
G23K			IAMB	IAMB	15 43 40.3
G23K			IAMS_20	IAMS_20	16 11 22.5
G23K	Bananza Creek	78.04 343	P	P	15 43 31.0 -0.7
G23K			S	S	15 53 26.7 +1.6
J18K	Innok River	78.05 339	IAMB	IAMB	15 43 40.1
J18K			IAMS_20	IAMS_20	16 10 13.9
J18K	Innok River	78.05 339	P	P	15 43 30.7 -1.1
J18K			S	S	15 53 24.9 -0.4
L16K	Owhat River	78.06 337	IAMB	IAMB	15 43 41.1
L16K	Owhat River	78.06 337	P	P	15 43 30.5 -1.3
L16K			S	S	15 53 27.8 +2.5
BFZ	Birch Farm	78.09 230	P	P	15 43 32.8 +0.3
I20K	Naagheedence	78.12 341	IAMS_20	IAMS_20	16 10 23.0
I20K	Naagheedence	78.12 341	P	P	15 43 32.0 -0.1
H21K	Melozitna River	78.15 342	IAMS_20	IAMS_20	16 11 17.3
H21K	Melozitna River	78.15 342	P	P	15 43 31.7 -0.6
H21K			S	S	15 53 27.3 +1.1
H21K			S	S	15 53 27.3 +1.1
K17K	Iditarod	78.19 338	IAMB	IAMB	15 43 40.7
K17K	Iditarod	78.19 338	P	P	15 43 31.9 -0.6
K17K			S	S	15 53 27.7 +1.0
COLD	Coldfoot	78.45 344	P	P	15 43 33.7 -0.2
COLD			S	S	15 53 33.1 +3.7
TOZ	Tahuroa Road	78.49 233	P	P	15 43 35.8 +1.0
TOZ			IAMB	IAMB	15 43 49.8
M14K	Bethel	78.53 335	P	P	15 43 34.0 -0.4
M14K			S	S	15 53 32.9 +2.5
E24K	Your Creek	78.59 345	IAMB	IAMB	15 43 44.7
E24K	Your Creek	78.59 345	P	P	15 43 32.4 -2.3
MRZ	Mangatainoka R	78.60 230	P	P	15 43 35.6 +0.3
MRZ			IAMB	IAMB	15 43 55.5
C27K	Jago River	78.61 347	IAMB	IAMB	15 43 44.4
C27K			IAMS_20	IAMS_20	16 13 20.2
C27K	Jago River	78.61 347	P	P	15 43 35.3 +0.5
G22K	Bettles	78.61 343	P	P	15 43 34.1 -0.7

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H20K	Anotleneega Mo	78.70 341	P	P	15 43 35.3 0.0
H20K			S	S	15 53 32.7 +0.6
L15K	Ungalak Mounta	78.84 336	P	P	15 43 35.2 -0.9
L15K			S	S	15 53 36.4 +2.8
J17K	VABM Dome	78.87 338	IAMB	IAMB	15 43 45.7
J17K	VABM Dome	78.87 338	P	P	15 43 34.9 -1.4
J17K			S	S	15 53 35.0 +1.0
J17K			S	S	15 53 35.0 +1.0
E23K	Chandalar</				

30d 15h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like K13K, D22K, NNZ, E21K, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like C17K, C17K, B18K, B18K, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like MTE, PMRV, AVE, TAU, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILGA, MBWA, SONM, etc.

Table with columns: CD2, LR, LR. Includes stations like AAK, KDJ, QIZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PLAI, SRBI, WBSI, etc.

WEL 30 15:50:56.7,0.9,33'S;19:17'9"E;4.7,h158km,86km, M3.6/5,M4.5/2,ML3.8/8,MLV3.6/5,Mw(mb)3.7/2, Error ellipse: s-maj=65.5km s-min=5.1km az=119.9, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMGZ, GLKZ, HAZ, etc.

IDC 30 16:12:48.3,0.6,12.84S;45.41E, h0km, mb4.0/13, mbmp4.1/14, ML5.4/2, MS4.3/1, Error ellipse: s-maj=21.5km s-min=18.3km az=106.0 NEIC 30 16:12:50.4,1.4,12.88S;0.10,45.3E;0.1,h10km,1km, mb4.6/18, Error ellipse: s-maj=21.3km s-min=16.3km az=260.0

ISC 30 16:12:49.6,0.5,12.96S;0.06,45.50E;0.07,h10km,n64, c145/65,mb4.4/21,D,1,Northeast of Madagascar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SBV, OPO, FIRM, etc.

DJA 30 15:41:46.6,0.7,8'S;8:11'E;h240km,10km, M3.6/11, mb3.9/2,MLV3.5/11,Bali Sea

PPD 17h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Padiang Panjang, Kulim, Ipoh, Pulau Pagai, Port Blair, etc.

2019 JAN

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONM Songino Array, MKAR Makanchi Array, KURBB Kurchatov Arra, ZALV Zalesovo Beam, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BANI BANI, IGPR InterUniversit, IGPR InterUniversit, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries for FINES, AKASG, and IDC.

IDC 30 18:42:05.2-0.8, 28.73N-140.01E, h376km, 18km, mb3.2/8, mbmp4.0/9, Error ellipse: s-maj=54.7km s-min=12.6km az=73.0

JMA 30 18:42:08.0-0.2, 29.1N-141.14E, h411km, MV3.9/23, W OFF OGASAWARA

ISC 30 18:42:07.3-0.7, 28.71N-140.07E, h400km, n18, o187/24, mb3.5/8, Bonin Islands region

Main table for 30d 19h section, listing various stations like CBIJ, CJCJ, JHH2, BSO1, etc., with their respective coordinates and parameters.

RSPR 30 18:46:44.7, 19.17N-68.26W, h83km, 7km, MD3.2/5

NEIC 30 18:46:45.0, 1.5, 19.26N-0.07, h35km, 2km, ML2.4/16, MD3.2/5(RSPR), Error ellipse: s-maj=11.3km s-min=3.1km az=192.0

ISC 30 18:46:43.3-1.0, 19.25N-0.10, h68.22W, 0.04, h20km, n22, o57/23, 3C-2D, North Atlantic Ocean

Main table for 30d 19h section, listing stations like PCDR, AGPR, CRPR, etc., with their respective coordinates and parameters.

IDC 30 18:52:24.8, 1.2, 11.19S-112.15E, h0km, mb3.8/8, mbmp3.8/10, ML3.2/2, Error ellipse: s-maj=62.2km s-min=15.2km az=47.0

DJA 30 18:52:25.0, 0.8, 11.24S-112.15E, h10km, 7km, M4.4/21, mb5.1/1, mb4.4/6, ML4.5/21, Mv1/B14.4/1

NEIC 30 18:52:26.0, 0.8, 11.23S-112.16E, h10km, 2km, mb4.3/5, Error ellipse: s-maj=14.7km s-min=4.4km az=220.0

ISC 30 18:52:25.0-0.6, 11.27S-112.20E, h10km, n45, o150/47, mb4.0/11, South of Jawa

Main table for 30d 19h section, listing stations like PCJ, GMJI, PWJ, etc., with their respective coordinates and parameters.

Main table for 30d 19h section, listing stations like MBWA, PSA00, FITZ, etc., with their respective coordinates and parameters.

RSPR 30 18:58:47.8, 19.36N-68.13W, h88km, 18km, MD3.3/5

NEIC 30 18:58:48.0, 1.9, 19.28N-0.07, h35km, 2km, ML2.3/20, MD3.3/5(RSPR), Error ellipse: s-maj=11.8km s-min=3.1km az=184.0

ISC 30 18:58:44.1, 1.9, 19.4N-0.1, h68.16W, 0.04, h8km, n15, n23, o53/24, 3C-3D, North Atlantic Ocean

Main table for 30d 19h section, listing stations like PCDR, AGPR, CRPR, etc., with their respective coordinates and parameters.

NEIC 30 18:59:57.2, 2.2, 35.64N-101.97W, h5km, 1km, s-min=2.2km az=249.0, Oklahoma

Main table for 30d 19h section, listing stations like OK029, FNO, CSTR, etc., with their respective coordinates and parameters.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries for FW07, IDC, and NEIC.

IDC 30 19:05:58.9, 0.7, 11.84S-13.85W, h0km, mb4.2/10, mbmp4.3/10, MS3.5/26, Error ellipse: s-maj=38.1km s-min=16.8km az=116.0

NEIC 30 19:00:00.9, 2.8, 12.02S-0.07, h3.77W, 0.08, h10km, 1km, mb4.7/20, Error ellipse: s-maj=13.7km s-min=11.4km az=294.0

ISC 30 19:06:00.1-0.5, 12.00S-0.09, h3.78W, 0.08, h10km, n63, o150/40, mb4.6/23, MS3.6/26, 4C, Ascension Island

Main table for 30d 19h section, listing stations like ASCN, SHEL, DBIC, etc., with their respective coordinates and parameters.

RSPR 30 19:22:59.2, 19.53N-68.15W, h53km, 18km, MD2.9/6

NEIC 30 19:23:00.8, 2.1, 19.25N-0.04, h35km, 2km, ML2.4/16, MD2.9/6(RSPR), Error ellipse: s-maj=9.2km s-min=3.1km az=44.0

ISC 30 19:22:57.2, 1.8, 19.4N-0.1, h68.17W, 0.04, h21km, n25, o59/425, 1C-1D, North Atlantic Ocean

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like TWD Chiawan, EOSA EOS4, Xiulin Townshi, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like WNTK CHN4, Tsoushan, CHN4 CHN4, etc.

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like TPUB Ta-pu, TPUB Ta-pu, IDC 30 22:42:21, etc.

Table with columns: Code, Station Name, Δ, A, Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include TORD, SPITS, DBIC, YKA.

NEIC 30 22:49:09.7, 0.9, 36.30N, 0.1E, 1.98, 20W, 0.02, h5km, 2km, Error ellipse: s-maj=1.6km s-min=1.5km az=102.0

Main table for station 1801, listing codes, station names, and various parameters. Includes stations like CROK, OK038, KAN14, NOKA, CSTR, KAN17, KAN05, BLOK, KAN13, KAN01, ELIS, OK051, OK052, QUOK, FNO, DEOK, W35A, WMOK, X34A, SMWD, R32A, W35A, K5U1, AMTX, APMT, DKNS, PLPT, BRDY.

UPA 30 22:51:25.7, 0.8, 7.36N, 80.59W, h8km, 4km, MW4.3, SC-6D, Panama

Table for station UPA 30, listing codes, station names, and various parameters. Includes stations like CACAO, AZU, PESE3, PCRI3, PEDA3, CHIT3, G3MAL, STIA3, CRIS3, MESA3, CALO3, PNME, CHOR3, ZANG, UPB, BCIP, MLIR, FRJ, LOMA3, CHGR2, CHGR2.

Table with columns: Code, Station Name, Δ, A, Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include PTAR3, LNBO3, PTPM, BRU2, UPD2.

SDD 30 22:54:32.8, 2.2, 19.37N, 68.11W, h2km, 113km, MD3.5, ML3.2, MW3.5

Main table for station 30, listing codes, station names, and various parameters. Includes stations like PCDD, PUNTA CANA, DR, HIDR, IDE, AGPR, SADR, AOPR, CRPR, EMPR, MLPR.

Table with columns: Code, Station Name, Δ, A, Z, Phase ID, Op, ISC, h, m, s, Res, ISC. Rows include BANI, BANI, IGPR, IGPR, PDRP, PDRP, ABDR, ABDR, ABDR, HUMP, HUMP, SDDR.

IGPR 30 23:07:13.6, 1.4, 23.78N, 0.03, 143.17E, 0.1, h10km, 1km, mb4.7/38, Error ellipse: s-maj=2.1km s-min=5.6km az=83.0

Table for station 30, listing codes, station names, and various parameters. Includes stations like JHH2, JHH2, CBJJ, CBJJ, JCJ, JCJ, JCJ, BS03, JOD2, JHY, JHY, MJAR, JMM, JMM, KRSR, KRSR, USRK, USRK, H1N1, H1N1, H1N2, H1N2, H1N3, H1N3, KNMB, KNMB, H1S3, H1S3, H1S1, H1S1, H1S2, H1S2, NJ2, NJ2, DAV, DAV, BNX, BNX, PETK, PETK, HHC, HHC, HHC, LZH, LZH, LZH, MA2, MA2, PZH, PZH, PZH, SONM, SONM, SONM, PHRA, PHRA, TNCH, TNCH, TNCH, TNCH, TNCH, WRA, WRA, WRA, LSA, LSA, ASAR, ASAR, ASAR, WMO, WMO, ZALV, ZALV, ZALV, MK31, MKAR, MKAR, MKAR, MKAR, C16K, C16K, K17K, K17K.

IGPR 30 23:07:14.1, 2.3, 87N, 142.71E, h10km, mb4.9/6, mb4.2/18, Ms4.4/3, Ms7.4/0.3

JMA 30 23:07:18.4, 0.2, 34.2N, 12.44E, h86km, MV4.7/10, OTU ISLANDS REGION

ISC 30 23:07:15.9, 0.5, 2.32N, 0.06, 143.07E, 0.1, h29km, n96, s-119/92, mb4.5/46, MS3.3/6, 1C, Volcano Islands region

Main table for station 30, listing codes, station names, and various parameters. Includes stations like JHH2, CBJJ, JCJ, BS03, JOD2, JHY, MJAR, JMM, KRSR, USRK, H1N1, H1N2, H1N3, KNMB, H1S3, H1S1, H1S2, NJ2, DAV, BNX, PETK, HHC, HHC, LZH, MA2, PZH, SONM, PHRA, TNCH, WRA, LSA, ASAR, WMO, ZALV, MK31, MKAR, C16K, K17K.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Res. Includes stations like WDJ, TWFI, WHYI, etc.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Res. Includes stations like LPIG, LPIG, LPIG, etc.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Res. Includes stations like JCT, JCT, JCT, etc.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Res. Includes stations like BUI, NEIC, etc.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Res. Includes stations like DUNE, SAND, etc.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Res. Includes stations like CMIG, CMIG, etc.

31d Oh

Table with columns: Station, Location, Frequency, Power, Mode, and other technical details. Includes stations like Columbia Colle, Red Feather La, Elk, CCHG, AFDM, PD31, AHID, 146A, TEIG, LOHW, APG, HLID, WWOR, KMRM, RSSD, RSDS, CCM, KMPM, YNR, BRAL, JOBA, PARMO, QLMT, MTCOS, YBH, YBH, YBH, RLMT, L04D, UTMT, BOZ, X48A, WVT, WVT, LRM, ECSD, SCIA, LAO, TGUH, FPAL, USIN, BUCK, HDIL, IO2E, COR, COR, HAWA, SOR, SOR, WCI, WCI, DGMT, TKL, TKL, TKL, BOAC, NEW, BG3, BG3, TZTN, P49A, P49A.

25.80 JAN

Table with columns: Station, Location, Frequency, Power, Mode, and other technical details. Includes stations like Farmland, JTS, Y57A, SOCE, ACSSO, ULM, ULM, ULM, ULM, CBN, SSSA, FFC, FFC, BBB, SADO, BINY, PTAC, TRY, VLDQ, SJCZ, L61B, V35K, DBBC, SC01, UREC, CRAC, T35M, T35M, WRAC, U33K, ZARC, PLMC, DR12, DR12, GUY2Z, PPLP, P34C, JAMC, DLBC, DLBC, OCAC, KOTAN, NORC, BBAC, BRUC, POPC, OTAV, OTAV, OTAV, OTAV, TULM, SIT, S32K, SPBC, ROSC, ROSC, ROSC, ROSC, BARC, P3AM, R33M, Q32M, PRAC, YKA, YKA, YKA, R32K, PIAT, RUSC, RUSC, RUSC, SHIC, CH1K, URM, P32M, SDV, SDV, SDV, SDV, TAMC, P33M, MCRA, PLBC.

1804

Table with columns: Station, Location, Frequency, Power, Mode, and other technical details. Includes stations like San Juan, San Juan, San Juan, MACC, PDP, N32M, N32M, WHY, PTLC, P30M, O30N, F090, O29M, N31M, HYT, M31M, BAUV, N30M, PINM, YUKA, O28M, YUKB, M30M, ATAH, M29M, YUK3, L29M, SCHO, SCHO, SCHO, BVCY, K29M, M27K, BMRM, GLB, GLB, J30M, PCRV, EYAK, TAOE, M26K, N25K, BCAR, DAWY, L27K, P23K, H31M, I30M, KLU, L26K, HARP, M24K, PWL, SEW, G31M, G31M, G31M, KDAK, KDAK, KDAK, KDAK, EPYK, PAX, OHAK, I28M, M23K, BRSE, KNK, SII, F31I, SCRK, SCRK, SCRK, H29M, Q20K, RIDG, RIDG, SML, G30M, C36M, J26L, RC01, PMR, CHIR.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like HDA, HARP, PAX, N25K, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like YSS, D28M, G30M, P32M, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and Signal Strength. Includes stations like YHB, HVU, NRIK, RLMT, etc.

31d 0h

FINES	FINES Array B	65.92 347	P	P	00 32 42.5	-1.1
FINES	FINES Array B	65.92 347	P	P	00 32 42.2	-1.4
comp=Z,2.0nm,0.7s,baz=36,slow=7.1,SNR=4.9						
FINES	FINES Array B	65.92 347	P	P	00 32 42.5	-1.1
WUS	WUShi	65.93 306	I	Amb	00 32 44.2	0.0
comp=Z,5.3nm,1.0s						
AAK	Ala-Archa	67.18 310	P	Amb	00 32 52.0	-0.3
AAK	Ala-Archa	67.18 310	P	P	00 32 52.0	-0.3
comp=Z,7.0nm,1.5s						
NOGE	NORFAR Array B	67.74 355	P	P	00 32 55.1	+0.7
HOD	NORFAR Array B	67.74 355	P	P	00 32 54.9	-0.4
comp=Z,0.7nm,0.7s,baz=12,slow=6.6,SNR=4.6						
NOA					00 33 21.4	-0.5
comp=Z,2.2nm,1.0s,baz=2.0,slow=3.1,SNR=3.6						
LSA	Lhasa	67.81 290	P	P	00 32 58.0	+1.2
LSA	Lhasa	67.81 290	P	P	00 32 58.3	+1.5
comp=Z,2.7nm,0.8s						
LSA	Lhasa	67.81 290	P	P	00 32 58.0	+1.2
comp=Z,2.1nm,0.8s						
ABKAR	Akbulak array	68.21 323	P	P	00 32 58.5	+0.1
HFS	Hagfols	68.49 354	P	P	00 32 58.9	-1.1
comp=Z,3.3nm,0.9s,baz=64,slow=3.4,SNR=8.6						
KKAR	Karatay Array	68.70 313	P	P	00 33 02.1	+0.5
KKAR	Karatay Array	68.70 313	P	P	00 33 02.1	+0.5
KSH	Kashi	68.83 307	P	P	00 33 06.0	+3.4
comp=Z,6.0nm,1.1s						
SHL	Shilong	70.42 287	P	P	00 33 12.6	-0.1
SHL	Shilong	70.42 287	P	P	00 33 12.6	-0.1
comp=Z,3.7nm,1.2s						
PHRA	Phrae	70.55 275	P	P	00 33 13.2	0.0
CMAR	Chiang Mai Arr	71.39 276	P	P	00 33 18.4	0.0
comp=Z,1.4nm,0.3s,baz=26,slow=6.9,SNR=10.0						
PABE	Paberze	71.96 347	P	P	00 33 21.1	-0.1
PABE	Minsk	72.32 344	I	P	00 33 26.8	+3.4
MNK	Minsk		i	PPP	00 36 10.1	
MNK	Minsk		i	SSS	00 42 45.3	+2.4
MNK	Minsk		i	SSS	00 43 13.8	+9.4
MNK	Minsk		i	SSS	00 47 24.8	+4.6
comp=Z,7.0nm,0.9s						
MNK						
comp=N,4.0nm,0.7s						
MNK						
comp=E,20nm,1.2s						
MNK						
comp=Z,2.96nm,19.0s						
MNK						
comp=N,242nm,18.0s						
MNK						
comp=E,306nm,18.0s						
CHGR	Chuyangaron	72.83 311	P	Amb	00 33 26.4	-0.4
CHGR	Chuyangaron	72.83 311	P	Amb	00 33 40.9	
comp=Z,8.9nm,1.2s						
BNN	Chuyangaron	72.83 311	P	P	00 33 26.4	-0.4
CHGR	Chuyangaron	72.83 311	P	P	00 33 26.4	-0.4
comp=Z,9.0nm,1.2s						
SIMJ	Simiganj	72.90 311	P	P	00 33 26.6	-0.7
EKA	Eskdalemair Ar	73.64 3 3	P	P	00 33 30.9	-0.2
comp=Z,0.9nm,0.7s,baz=35.9,slow=4.7,SNR=5.9						
EKA	Eskdalemair Ar	73.64 3 3	P	P	00 33 31.0	-0.2
NIL	Nilore	74.75 305	P	P	00 33 38.1	0.0
NIL	Nilore	74.75 305	P	P	00 33 38.1	0.0
comp=Z,7.2nm,1.2s						
NIL	Nilore	74.75 305	P	P	00 33 38.1	0.0
comp=Z,7.0nm,1.2s						
AK22	Malin Array Si	75.69 343	P	P	00 33 41.9	-1.2
AKASG	Malin Array Be	75.72 342	P	P	00 33 42.5	-0.8
comp=Z,1.7nm,0.5s,baz=22,slow=5.8,SNR=7.4						
AK20	Malin Array Si	75.72 342	P	P	00 33 44.6	+1.3
AK20	Malin Array Si	75.72 342	P	P	00 33 42.1	-1.2
AK19	Malin Array Si	75.74 343	P	P	00 33 42.5	-0.9
AK11	Malin Array Si	75.75 342	P	P	00 33 42.0	-1.5
AK02	Malin Array Si	75.75 342	P	P	00 33 42.0	-1.5
AK08	Malin Array Si	75.78 342	P	P	00 33 42.4	-1.2
AK09	Malin Array Si	75.79 342	P	P	00 33 42.9	-0.8
AK05	Malin Array Si	75.80 342	P	P	00 33 42.6	-1.2
RNP55	Staryi Chorot	75.81 345	P	P	00 33 43.6	-0.2
AK10	Malin Array Si	75.81 342	P	P	00 33 42.5	-1.2
KBL	Kabul	76.17 306	P	P	00 33 45.0	-1.4
KBL	Kabul	76.17 306	P	P	00 33 45.0	-1.4
comp=Z,3.5nm,0.8s						
LUBAR	Lubur, Ukraine	76.74 343	P	P	00 33 47.8	-1.3
HORU	Horodok	77.66 344	P	P	00 33 53.6	-0.7
KWP	Kalwaria Pacia	77.86 346	P	P	00 33 55.3	-0.1
KWP	Kalwaria Pacia	77.86 346	P	P	00 33 55.3	-0.1
comp=Z,7.3nm,0.6s						
KWP	Kalwaria Pacia	77.86 346	P	P	00 33 55.5	+0.1
NDNU	Novodistrovsk	78.09 343	P	P	00 33 55.9	-0.8
KMPD	K-Podolskiy	78.28 344	P	P	00 33 56.8	-0.9
BAL3X	Bal3x, Balta	78.29 341	P	P	00 33 57.9	+0.1
SORM	Soroca	78.34 342	P	P	00 33 57.9	-0.2
SORM	Soroca	78.34 342	P	P	00 33 57.9	-0.2
SORM	Soroca	78.34 342	P	P	00 33 57.4	-0.7
comp=Z,1.3nm,0.9s						
STNU	Starunia	78.47 345	P	P	00 33 58.5	-0.3
KIV	Kislovodsk	78.70 331	P	P	00 33 59.2	-1.1
comp=Z,5.0nm,1.0s						
KIV	Kislovodsk	78.70 331	P	P	00 34 00.0	-0.3
comp=Z,6.3nm,1.7s						
BMRD	Maredsous	78.72 358	P	P	00 33 59.8	-0.3
KSV	Kosov	78.76 344	P	P	00 33 59.8	-0.6
KBZ	Khabaz	78.84 331	P	P	00 34 00.6	-0.3
comp=Z,2.5nm,0.8s,baz=99,slow=4.1,SNR=5.3						
KBZ	Khabaz	78.84 331	P	P	00 34 01.9	+1.0
MUKU	Mukachevo	79.01 346	P	P	00 34 01.6	-0.1
BERU	Beregovo	79.23 346	P	P	00 34 03.4	+0.5
TRSU	Trosnyok	79.32 346	P	P	00 34 04.1	+0.7
BUR08	Bucovina Ar. S	79.39 344	P	P	00 34 03.7	-0.3
BURAR	Bucovina Array	79.41 344	P	P	00 34 03.7	-0.4
BURAR	Bucovina Array	79.41 344	P	P	00 34 03.7	-0.4
MILM	Milestii Mici	79.42 342	P	P	00 34 04.9	+0.9
MILM	Milestii Mici	79.42 342	P	P	00 34 04.9	+0.9
KHC	Kasperske Hory	79.42 352	P	P	00 34 05.4	+1.3
comp=Z,1.7nm,2.5s						
HRA	Herat	79.53 313	P	P	00 34 04.8	-0.3
GERES	GERESS Array B	79.70 352	P	P	00 34 05.1	-0.5
GERES	GERESS Array B	79.70 352	P	P	00 34 04.9	-0.7
comp=Z,1.1nm,0.6s,baz=14,slow=6.9,SNR=6.5						
GERES	GERESS Array B	79.70 352	P	P	00 34 05.1	-0.5
ARCR	ARCALIA	80.07 345	P	P	00 34 08.7	+1.1
TESR	Tescani	80.22 343	P	P	00 34 08.7	+0.3
CONA	Conrad Observa	80.40 350	P	P	00 34 10.4	+1.0
comp=Z,4.0nm,1.1s						
DRGR	Dr. G. R. G.	80.62 346	P	P	00 34 10.9	+0.3
DRGR	Dr. G. R. G.	80.62 346	P	P	00 34 10.9	+0.3
BIOA	Bad Ischl, Aus	80.85 352	P	P	00 34 10.5	-1.2
comp=Z,5.5nm,1.3s						
PLOR	Plostinia	80.86 343	P	P	00 34 12.0	+0.1
PLOR	Plostinia	80.86 343	P	P	00 34 12.0	+0.1
COVR	Voineasa-Covas	80.95 343	P	P	00 34 12.2	-0.1
DOPR	Dopca	80.98 344	P	P	00 34 12.8	+0.3
ARSA	Arzberg	81.10 351	P	P	00 34 13.4	+0.3
comp=Z,7.1nm,1.3s						
LESA	Schwarzatal	81.19 353	P	P	00 34 15.9	+2.3
comp=Z,6.6nm,1.4s						

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CFR	Carcaliu	81.22 341	P	P	00 34 13.9	+0.2
CFR	Carcaliu	81.22 341	P	P	00 34 13.9 <td>+0.2</td>	+0.2
RETA	Reutte	81.27 354	P	P	00 34 16.1	+2.0
comp=Z,12nm,1.8s						
MLR	Muntele Rosu	81.34 343	P	Amb	00 34 14.3	-0.2
MLR	Muntele Rosu	81.34 343	P	Amb	00 34 14.3	-0.2
MLR	Muntele Rosu	81.34 343	P	P	00 34 14.2	-0.3
MLR	Muntele Rosu	81.34 343	P	P	00 34 14.3	-0.2
comp=Z,1.1nm,1.2s						
WATA	Walderalm	81.37 353	P	P	00 34 15.0	+0.3
MOTA	Moosalm	81.39 353	P	P	00 34 16.4	+1.6
comp=Z,4.4nm,0.9s						
WTTA	Wattenberg	81.43 354	P	P	00 34 15.8	+0.7
comp=Z,4.9nm,0.7s						
KBA	Koelbrennsper	81.48 352	P	P	00 34 15.8	+0.5
comp=Z,10nm,1.1s						
VOIR	Voire	81.55 344	P	P	00 34 15.2	-0.4
VOIR	Voire	81.55 344	P	P	00 34 15.2	-0.4
ARR	Arges	81.69 344	P	P	00 34 16.6	+0.3
SOKA	Sotho	81.72 351	P	P	00 34 16.4	-0.1
comp=Z,8.5nm,0.8s						
SURR	Surr	81.73 346	P	P	00 34 15.8	-0.6
ABTA	Abfaltersbach	81.88 353	P	P	00 34 19.0	+1.7
MYKA	Terra Mystica	81.90 352	P	P	00 34 16.2	-1.2
comp=Z,8.5nm,1.1s						
OBKA	Obir	81.93 351	P	P	00 34 17.8	+0.2
comp=Z,1.1nm,1.6s						
BZS	Buzias	81.94 346	P	P	00 34 16.3	-1.2
BZS	Buzias	81.94 346	P	P	00 34 16.3	-1.2
GZR	Gura Zlata	81.97 345	P	P	00 34 17.5	-0.3
GZR	Gura Zlata	81.97 345	P	P	00 34 17.5	-0.3
FUORN	Ofenpass-Fuorn	82.17 354	P	P	00 34 18.3	-0.8
FUORN	Ofenpass-Fuorn	82.17 354	P	P	00 34 23.8	
comp=Z,9.0nm,1.5s						
WRA	Warrunguma Arr	82.23 224	P	P	00 34 18.3	-0.9
comp=Z,9.0nm,0.6s,baz=32,slow=5.7,SNR=6.1						
WRA	Warrunguma Arr	82.23 224	P	P	00 34 19.0	-0.2
comp=Z,1.0nm,0.5s						
TUE	Stuetta	82.37 355	P	P	00 34 20.5	+0.4
TUE	Stuetta	82.37 355	P	P	00 34 41.9	
comp=Z,7.3nm,1.2s						
MDVR	Moldovita	82.74 346	P	P	00 34 21.5	-0.3
TEOL	Teolc	83.32 353	P	P	00 34 24.1	-0.7
PSI	Prapat	83.36 266	P	P	00 34 25.2	-0.3
PSI	Prapat	83.36 266	P	P	00 34 25.2	-0.3
comp=Z,8.0nm,0.8s						
RPSI	Rantau Prapat	83.44 266	P	P	00 34 25.1	-0.6
RPSI	Rantau Prapat	83.44 266	P	P	00 34 26.2	
comp=Z,8.1nm,0.8s						
GURO	Guroymak-BITLI	83.82 329	P	P	00 34 27.7	+0.1
GURO	Guroymak-BITLI	83.82 329	P	P	00 34 35.8	
comp=Z,4.7nm,1.3s						
BOVS	Bovan	83.86 346	P	P	00 34 27.2	-0.3
BR131	Keskin Array S	85.15 336	P	P	00 34 33.7	-0.6
BR131	Keskin Array S	85.15 336	P	P	00 34 34.9	
comp=Z,5.8nm,0.8s						
BR131	Keskin Array S	85.15 336	P	P	00 34 33.7	-0.6
BR131	Keskin Array S	85.15 336	P	P	00 34 34.0	-0.3
BRTR						

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LCBC, PRAC, ESPN, ACORN, NORC, etc.

OSPL 31 00:42:51.8±1.7, 19:41N:68:20W, h0km,79km, ML2.7
SDD 31 00:42:53.0±2.5, 19:39N:68:08W, h23km,925km, MD3.6,
ML2.8, MW3.4

RSRP 31 00:42:53.3, 19:40N:68:16W, h97km,7km, MD3.4/12
NEIC 31 00:42:56.2±1.1, 19:23N:0:10:68:12W, 0:03, h35km,2km,
ML2.8/34, MD3.4/12(RSPR), Error ellipse: s-maj=16.8km

ISC 31 00:42:52.4±1.6, 19:32N:0:07:68:13W, 0:02, h9km,10km,
n55, ±0:66/81, 33C-ID, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCDR, SADR, AGPR, HATOM, PRSN, LSP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CRPR, CABO ROJO, PR, CABO ROJO, PR, CABO ROJO, PR, etc.

SOME 31 00:42:49.7, 40:52N:82:42E, h10km
NNC 31 00:42:52.1±1.6, 40:67N:82:47E, h0km, mb3.7, mpv3.3,
Error ellipse: s-maj=18.7km s-min=10.7km az=51.0,

Southern Xinjiang
Code Station Name Az Az' Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KTMS, KTMES, KTMES, SATY, etc.

ISC 31 00:52:05.6±4.9, 6:48S:147:71E, h0km, mb4.0/2,
mbmtP4.0/4, ML3.8/1, MS2.8/2, Error ellipse:
s-maj=70.4km s-min=57.0km az=84.0, Eastern New
Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG, WRA, ASAR, STKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, SONMI, NWAO, MKAR, etc.

NEIC 31 01:03:41.6±1.6, 18:9S:0:1x177:5W, 0:1, h482km,12km,
mb4.4/2, Error ellipse: s-maj=20.8km s-min=10.2km
az=218.0

IDC 31 01:03:54.1±4.5, 18:57S:178:30W, h608km,25km, mb3.3/3,
mbmtP4.2/4, Error ellipse: s-maj=125.4km s-min=32.1km
az=139.0

ISC 31 01:03:47.7±0.9, 19:2S:0:1x177:4W, 0:1, h570km, n28,
±1947/28, mb4.3/12, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSVF, RAR, TOZ, QZ, etc.

IDC 31 01:07:39.0±5.8, 6:14S:147:63E, h0km, mb3.7/2,
mbmtP3.7/4, ML3.6/1, Error ellipse: s-maj=85.0km
s-min=60.7km az=68.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG, WRA, ASAR, STKA, etc.

IDC 31 01:23:51.8±0.5, 55:19N:164:54E, h0km, mb4.1/29,
mbmtP4.2/35, ML4.5/5, MS3.7/38, Error ellipse:
s-maj=14.0km s-min=10.5km az=172.0

KRSC 31 01:23:52.3±1.4, 45:08N:164:59E, h53km,24km, Mc4.9,
M4.9, Felt [I] at Nikolskoe.

NEIC 31 01:23:53.5±1.4, 45:06N:0:07:164:61E, 0:09, h10km,1km,
LGNR mb4.7/121, Error ellipse: s-maj=11.9km s-min=7.7km
az=23.0

MOS 31 01:23:54.7±1.0, 55:11N:164:59E, h36km, mb4.7/22, Error
ellipse: s-maj=6.1km s-min=4.8km az=65.7

ISC 31 01:23:56.3±0.6, 55:09N:0:04:164:66E, 0:03, h30km,5km,
n76, ±1925/543, mb4.5/118, MS3.8/42, 11C-ID,
Komandoro Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BKI, Bering, KBTR, etc.

31d 1h

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like KIRR, KIRISHEV, KAMENISTAYA, etc.

2019 JAN

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like M13K, J14K, J14K, etc.

1810

Table with columns for station name, elevation, frequency, and other technical details. Includes stations like N18K, M18K, H19K, etc.

Table with columns: Code, Station Name, Az, Az3, Phase, ID, Time, Res, ISC. Rows include stations like HWUT Hardware Ranch, R11B Troy Canyon, PD31 Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Az3, Phase, ID, Time, Res, ISC. Rows include stations like AKASG Malin Array, LUBAR Lubark, 435B Jarrell, etc.

Table with columns: Code, Station Name, Az, Az3, Phase, ID, Time, Res, ISC. Rows include stations like KSH Kashi, SFK Sufi-Kurgan, SALK Salom-Alik, etc.

SOME 31 02:04:05.1, 39.88N, 75.18E, h5km
NVC 31 02:04:10.5, 1.4, 40.06N, 75.25E, h0km, mb4.5, mpv4.2,
Error ellipse: s-maj=1.1 km s-min=2.7 km az=164.0

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 1813-3129.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 3129-4200.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details for stations 4200-5000.

31d 3h

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, ISC. Includes stations like AC02 Maricunga, AGUA GUANDACOL, APLA PUNTA DE LOS L, etc.

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, ISC. Includes stations like O29M Mount Kennedy, PINM Pinnacle, O28M Mount Upton, etc.

2019 JAN

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, ISC. Includes stations like PLBC Pleasant Camp, O30N Mendenhall, O30N baz=247, etc.

Code Station Name Az El Pn Sn Time Res ISC
IDC 31 03:03:13.8:1.2, 4.0:2N:126.32E, h0km, mb3.9/8,
mbtmp3.9/8, MS3.6/1, Error ellipse: s-maj=98.9km
s-min=16.0km az=70.0
DJA 31 03:03:14.9:1.0, 4.1N:9.12:7E.1, h10km, M4.2/10, mb4.3/5,
MLv4.1/10
NEIC 31 03:03:18.8:0.8, 4.0N:0.1:126.6E:0.1, h35km, 2km,
mb4.2/12, Error ellipse: s-maj=23.4km s-min=20.8km
az=110.0

Code Station Name Az El Pn Sn Time Res ISC
ISC 31 03:03:18.6:0.8, 4.11N:0.09:126.8E:0.1, h36km, n28,
s105/27, mb4.1/12, Talud Islands

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, ISC. Includes stations like SGSI Sanghie, INTI Ternate, MFSI Marisa, etc.

KRNET 31 03:07:03.7:0.1, 40.09N:75.16E, h20km, mb3.5
NMC 31 03:07:03.2, 40.07N:75.32E, h5km
NCC 31 03:07:05.1:0.7, 40.11N:75.30E, h0km, mb4.0, mpv3.7,
Error ellipse: s-maj=5.2km s-min=3.3km az=164.0

Code Station Name Az El Pn Sn Time Res ISC
ISC 31 03:07:05.8:1.0, 40.08N:0.04:75.17E:0.03, h10km, n79,
s186/124, 44C-18D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, SALK Salom-Alik, SALK SALK, etc.

1814

Table with columns: Code, Station Name, Az, El, Pn, Sn, Time, Res, ISC. Includes stations like MRKS 18nm,0.5s, MRKS Merke, MRKS Manas, etc.

31d 3h

Table with columns: CMB, Columbia Colle, 3.34 324, Pn, Pn, 03 14 29.5 +0.1, 03 15 23.9, etc.

IDC 31 03:16:51.3; 2.1, 3.56N-125.09E, h0km, mb3.5/4, mbtmp3.5/4, Error ellipse: s-maj=250.6km

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, WRA, Warramunga Arr, 25.06 159, P, P, 03 22 17.9 +0.2, etc.

NEIC 31 03:20:08.9; 0.1, 6.2S; 0.1; 175.9W; 0.2, h331km, 8km, mb4.4/32, Error ellipse: s-maj=23.9km s-min=16.4km az=119.0

IDC 31 03:20:12.3; 2.7, 16.14S; 175.98W, h365km, 25km, mb3.6/11, mbtmp4.3/13, Error ellipse: s-maj=25.0km s-min=16.4km az=131.0

ISC 31 03:20:11.3; 0.5, 16.328S; 0.09; 175.79W; 0.09, h364km, n113, -0.93/109, mb4.3/27, 14C-8D, Tonga Islands

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, FUTU, Fugatoga, 2.99 311, Pn, Pn, 03 21 11.0 -0.7, etc.

2019 JAN

Table with columns: J25K, Salcha River, 83.94 13, P, P, 03 32 01.3 +0.4, etc.

KRNET 31 03:21:18.1; 0.1, 40.02N; 75.20E, h20km, mb2.9, NNC 31 03:21:22.5; 2.7, 40.24N; 75.18E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=20.4km s-min=11.8km az=161.0

SOME 31 03:21:23.6; 4.0; 22N; 75.22E, h20km, ISC 31 03:21:21.4; 2.9, 40.00N; 0.05; 75.17E; 0.03, h7km, 22km, n57, -0.98/94, 23C-33D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SFK, Sufi-Kurgan, 1.28 271, P, P, 03 21 42.8 -3.1, etc.

1816

Table with columns: TKM2, Tokmak 2, 2.93 6, P, Pn, 03 22 08.0 -0.6, etc.

SOME 31 03:20:22.0, 40.08N-75.22E, h5km, IDC 31 03:20:23.1; 4.4, 39.94N; 75.14E, h0km, mb3.5/4, mbtmp3.5/8, ML3.0/4, MS3.1/3, Error ellipse: s-maj=30.6km s-min=14.7km az=73.0

KRNET 31 03:20:24.0; 0.1, 40.01N; 75.18E, h35km, mb3.9, NNC 31 03:20:25.6; 1.3, 40.19N; 75.28E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=9.6km s-min=6.7km az=168.0

ISC 31 03:20:24.1; 0.8, 40.06N; 0.04; 75.18E; 0.02, h10km, n91, s176/131, mb3.5/4, 39C-29D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SFK, Sufi-Kurgan, 1.28 269, P, P, 03 20 47.7 -0.8, etc.

1817

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OHH Osh, ARLS Aral, ULHL Uhtor, etc.

2019 JAN

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CHKK Chushkaly, KURS Kuram, UZB Uzunbulak, etc.

31d 3h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like JTNC Kouya, JYU Inuyama, JYF Yuroka, etc.

BUJ 31 03:41:36.9, 33:97N: 137:11E, h346km, mB4.57, mb4.3/34
NIED 31 03:41:37.2, 33:89N: 137:19E, h353km, MW4.2, Moment
Tensor Solution. s3 Moment tensor: Scale 1015Nm;
Mn:0.61; M0:0.07; M0:0.68; M0:0.20; M0:0.45; M0:1.76;
Fault plane solution: Mo:1.940000x10^15 NP1:0.55,000000,
0.18,000000, 1.147,000000. NP2:0.176,000000, 0.880,000000,
0.75,000000
JMA 31 03:41:37.2, 0.3, 34:1N: 137:7E, h353km, 2km, MV3.7/32,
SE OFF KII PENINSULA
IDC 31 03:41:37.5, 0.9, 33:84N: 137:16E, h339km, 7km, mb3.4/18,
mbmp4.1/23, Error ellipse: s-maj=12.0km s-min=9.8km
az=141.0
NEIC 31 03:41:39.1, 1.6, 33:98N: 137:17E: 10.1,
h340km, 7km, mb4.1/31, Error ellipse: s-maj=13.7km
s-min=11.2km az=152.0
ISC 31 03:41:38.4, 0.7, 33:92N: 137:14E: 0.05, h342km, 5km,
n96, e0.94/106, mb3.9/35, 3C-1D, Near south coast of
eastern Honshu

1819

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Anotleneega Mo, Beaver Creek, White River, etc.

2019 JAN

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Ungalikthiuk R, Minn Creek, Steamboat Moun, etc.

31d 4h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Yellowknife Ar, Neilton Loom, Moxie City, etc.

31d 4h

Table with columns: Station Name, Code, Time, Res, and other details. Includes stations like Sheep Creek Mo, Captain Cook N, Wood River Hill, Clear Creek Bu, etc.

2019 JAN

Table with columns: Station Name, Code, Time, Res, and other details. Includes stations like Big Mountain, Middleton Isla, Cape Douglas, etc.

1820

Table with columns: Station Name, Code, Time, Res, and other details. Includes stations like Trinidad (W), Brigand Hill, Grenada Fort F, etc.

ISC 31 04:13:07.2±0.8, 8.65N, 126.86E, h0km, mb4.1/16, mbmp4.1/17, ML4.4/1, MS3.2/9, Error ellipse: s-maj=25.9km s-min=14.1km az=94.0, NEIC 31 04:13:10.0±1.5, 8.83N, 127.22E±0.1, h10km±1km, mb4.4/16, Error ellipse: s-maj=24.1km s-min=14.5km az=105.0

Table with columns: Code, Station Name, Time, Res, and other details. Includes stations like DAV, YKA, FINES, BRTR, etc.

31d 4h

2019 JAN

Main data table with columns for station call letters, frequency, power, and other technical details. Includes stations like SLOZ, CRIN, PKGN, etc.

Continuation of the station list on the right side of the page, including stations like Y60A, GNAR, SN05, etc.

Table with columns: Station Name, Frequency, Class, Mode, and other details. Includes stations like OGNE Ogallala, ODNJ Ogdenburg, WVNW West Valley, etc.

Table with columns: Station Name, Frequency, Class, Mode, and other details. Includes stations like DLMT Dillon, LMN Caledonia, WILB Vilhena, etc.

Table with columns: Station Name, Frequency, Class, Mode, and other details. Includes stations like PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, etc.

31d 4h

Table with columns: ID, Name, Value, Unit, Direction, Date, Value, Unit, Direction, Date, Value, Unit, Direction, Date. Includes entries like HARP HAARP, I27K Kandik River, P23K Montague Islan, etc.

2019 JAN

Table with columns: ID, Name, Value, Unit, Direction, Date, Value, Unit, Direction, Date, Value, Unit, Direction, Date. Includes entries like Q17K Contact Creek, O18K Koktuh Hills, H22K Ishona Mnta, etc.

1824

Table with columns: ID, Name, Value, Unit, Direction, Date, Value, Unit, Direction, Date, Value, Unit, Direction, Date. Includes entries like K13K Kusilyak Mount, D17K Noatak River, C17K Delona Mnta, etc.

31d 5h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like WRA Warramunga Arr, AS01 Alice Springs, MTN Mantou Dam, etc.

2019 JAN

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MAJO Matushiro, CGJI Cibinong, NACB Ninganchiao, etc.

1828

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BJI comp=Z,5.0nm,0.9s, MAW comp=Z,2.12nm,0.7s, TIY comp=Z,11nm,0.6s, etc.

KDAK	Kodiak Island	83.24	19	P	P	06 02 25.1 +0.8
M14K	Bethe	83.28	14	I Amb	I Amb	06 02 26.2
M14K	Bethel	83.28	14	P	P	06 02 23.7 -0.6
P17K	Kvichak River	83.29	17	P	P	06 02 24.2 -0.2
SEY	Seymchan	83.33	352	LR	LR	06 35 44.7
SEY	Seymchan	83.33	352	ceP	ceP	06 02 24.5 -0.1
SMAI	San Martin Ant	83.43	162	P	P	06 02 25.8 +0.6
M15K	Kasigliuk River	83.52	14	P	P	06 02 25.7 +0.1
O17K	Koliganek Bris	83.60	16	P	P	06 02 25.6 -0.5
L14K	Kuka Creek	83.65	13	P	P	06 02 27.0 +0.7
N16K	Nishlik Lake	83.78	15	P	P	06 02 28.0 +1.0
K13K	Kusilivak Mount	83.78	12	P	P	06 02 28.1 +1.2
P18K	Big Mountain	83.79	17	P	P	06 02 26.6 -0.5
Q19K	Cape Douglas	83.86	18	P	P	06 02 27.4 +0.0
Q20K	Shuyak Island	83.97	19	P	P	06 02 28.9 +1.0
O18K	Koktuh Hills	84.18	17	I Amb	I Amb	06 02 30.2
O18K	Koktuh Hills	84.18	17	P	P	06 02 29.4 +0.4
L15K	Ungakal Mounta	84.21	13	P	P	06 02 29.4 +0.3
M16K	Timber Creek	84.21	15	P	P	06 02 30.6 +1.4
N17K	Nushagak Hills	84.22	16	I Amb	I Amb	06 02 32.0
N17K	Nushagak Hills	84.22	16	P	P	06 02 30.0 +0.7
GAMB	Gambell	84.34	8	I Amb	I Amb	06 02 31.7
GAMB	Gambell	84.34	8	P	P	06 02 30.4 +0.7
P19K	Oil Pt	84.57	18	P	P	06 02 30.9 -0.1
L16K	Owhat River	84.69	14	I Amb	I Amb	06 02 33.6
L16K	Owhat River	84.69	14	P	P	06 02 32.5 +1.0
N18K	Kilae Creek	84.69	16	P	P	06 02 32.2 +0.6
O19K	Port Alsworth	84.71	17	P	P	06 02 31.9 +0.2
J14K	Narvaranak Lak	84.74	12	P	P	06 02 32.8 +1.0
K15K	Wolf Creek Mou	84.75	13	P	P	06 02 32.8 +1.0
M17K	Holitna River	84.91	15	I Amb	I Amb	06 02 36.9
M17K	Holitna River	84.91	15	P	P	06 02 33.7 +1.1
HOM	Homer	85.05	19	P	P	06 02 33.7 +0.4
CNPM	China Pool	85.07	19	I Amb	I Amb	06 02 35.3
O20K	Slope Mountain	85.10	18	P	P	06 02 33.9 +0.1
N19K	Bonanza Creek	85.18	17	P	P	06 02 33.8 -0.3
L17K	Donlin	85.34	15	P	P	06 02 35.7 +1.0
BRLK	Bradley Lake	85.36	19	I Amb	I Amb	06 02 37.0
BRSE	Bradley Lake S	85.39	19	P	P	06 02 36.4 +1.3
M18K	Stony River	85.40	16	P	P	06 02 36.2 +1.2
L18K	Granite Mounta	85.80	15	P	P	06 02 38.2 +1.2
SAO	San Andreas Ge	85.82	49	I Amb	I Amb	06 02 40.3
J16K	Anvik River	85.83	13	P	P	06 02 38.4 +1.3
K17K	Iditarod	85.84	14	I Amb	I Amb	06 02 40.3
L17K	Iditarod	85.84	14	P	P	06 02 38.2 +0.9
ELIB	Princess Elisa	85.88	190	dP	dP	06 02 37.3 -0.3
BBGB	Big Mountain B	86.02	49	I Amb	I Amb	06 02 43.5
PMPB	Monarch Peak	86.02	49	I Amb	I Amb	06 02 41.0
ANM	Nome	86.06	11	P	P	06 02 39.2 +1.0
CNP	Cape Cook N	86.09	18	P	P	06 02 38.8 +0.4
SPCR	Spurr Chakacha	86.13	17	P	P	06 02 39.4 +0.6
SLKM	Skilak Lake	86.16	19	I Amb	I Amb	06 02 40.7
KRPM	Rodgers	86.19	44	I Amb	I Amb	06 02 42.1
L19K	White Mountain	86.23	16	I Amb	I Amb	06 02 42.7
L19K	White Mountain	86.23	16	P	P	06 02 39.6 +0.4
J17K	VABM Dome	86.26	14	I Amb	I Amb	06 02 41.7
J17K	VABM Dome	86.26	14	P	P	06 02 40.0 +0.7
O22K	Cooper Landing	86.29	19	P	P	06 02 40.1 +0.7
I17K	Unalakleet	86.34	13	P	P	06 02 40.8 +1.2
M20K	Styx River	86.44	17	P	P	06 02 40.7 +0.4
Q23K	Middleton Isla	86.56	21	P	P	06 02 41.2 +0.4
TTA	Tatalina	86.57	15	P	P	06 02 41.9 +1.0
TTA	Tatalina	86.57	15	P	P	06 02 40.9 +0.0
TTA	Tatalina	86.57	15	P	P	06 02 41.3 +0.4
TTA	Tatalina	86.57	15	P	P	06 02 41.9 +1.0
TNA	Tin City	86.58	9	P	P	06 02 41.2 +0.5
P23K	Montague Islan	86.64	20	P	P	06 02 41.6 +0.4
G15K	Niukluk	86.69	11	P	P	06 02 42.0 +0.7
H16K	Elim	86.70	12	P	P	06 02 41.4 0.0
L20K	Farewell AK	86.73	16	P	P	06 02 41.3 -0.3
F14K	Arctic Creek	86.74	10	P	P	06 02 41.8 +0.3
RC01	Rabbit Creek A	86.77	19	P	P	06 02 41.6 -0.2
SUA	Susitna One	86.77	18	P	P	06 02 41.7 -0.2
J18K	Innokov River	86.86	14	P	P	06 02 41.9 -0.3
SKT	Skwentna	86.96	17	P	P	06 02 42.6 -0.1
PWL	Port Wells	87.01	19	P	P	06 02 42.8 -0.2
PASC	Pasadena Art C	87.02	52	I Amb	I Amb	06 02 45.5
ORV	Oroville	87.09	46	I Amb	I Amb	06 02 45.6
CMB	Columbia Collie	87.15	48	P	P	06 02 46.1 +1.8
CMB	Columbia Collie	87.15	48	P	P	06 02 46.1 +1.8
AFDM	Forest Hills D	87.17	47	I Amb	I Amb	06 02 46.6
M22K	Willow	87.18	18	I Amb	I Amb	06 02 48.6
M22K	Willow	87.18	18	P	P	06 02 43.9 +0.2

F15K	North Star Dit	87.24	10	P	P	06 02 45.1 +1.2
F15K	North Star Dit	87.24	10	P	P	06 02 44.3 +0.3
J01E	Myrtle Cove	87.25	42	I Amb	I Amb	06 02 47.1
YAK	Yakutsk	87.27	342	LR	LR	06 35 46.9
YAK	Yakutsk	87.27	342	ceP	ceP	06 02 44.1 0.0
ULN	Ulaanbaatar	87.30	323	P	P	06 02 45.3 +0.5
ULN	Ulaanbaatar	87.30	323	P	P	06 02 47.0
ULN	Ulaanbaatar	87.30	323	P	P	06 02 45.3 +0.5
YBH	Yreka Blue Hou	87.33	44	P	P	06 02 46.1 +1.0
YBH	Yreka Blue Hou	87.33	44	P	P	06 02 47.8
YBH	Yreka Blue Hou	87.33	44	LR	LR	06 36 05.4
YBH	Yreka Blue Hou	87.33	44	P	P	06 02 46.1 +1.0
PMR	Palmer	87.34	18	P	P	06 02 45.0 +0.5
PMR	Palmer	87.34	18	P	P	06 02 45.2 +0.7
ELS	Elisnore Mount	87.36	53	I Amb	I Amb	06 02 44.9 0.0
G16K	Koyuk River	87.36	11	P	P	06 02 44.8 +0.3
CBX	Cerro Bola	87.37	54	I Amb	I Amb	06 02 47.3
BILL	Bilibino	87.38	359	P	P	06 02 44.4 -0.1
BILL	Bilibino	87.38	359	ceP	ceP	06 02 44.5 -0.1
BILL	Bilibino	87.38	359	ceP	ceP	06 02 44.5 -0.1
KNK	Knik Glacier	87.41	19	P	P	06 02 44.4 -0.5
K20K	Telida	87.41	16	P	P	06 02 44.2 -0.6
GLI	Glacier Island	87.42	20	P	P	06 02 44.2 -0.7
H17K	Granite Mounta	87.43	13	I Amb	I Amb	06 02 47.4
H17K	Granite Mounta	87.43	13	P	P	06 02 45.2 +0.3
ISA	Isabella, Lake	87.46	51	I Amb	I Amb	06 02 48.3
PPLA	Purkeypile	87.52	16	P	P	06 02 44.8 -0.7
TKX	Tecate	87.52	54	I Amb	I Amb	06 02 47.7
GTA	Gaotai	87.56	313	eP	eP	06 02 47.3 +1.0
GTA	Gaotai	87.56	313	pP	pP	06 02 52.3 +0.1
GTA	Gaotai	87.56	313	SKS	SKS	06 12 55.3 -1.2
J19K	Poorman	87.56	15	P	P	06 02 45.5 0.0
KAIM	Kayak Island	87.58	21	P	P	06 02 45.6 -0.1
EYAK	Cordova Ski Ar	87.60	20	P	P	06 02 45.4 -0.3
SONM	Songino Array	87.65	323	P	P	06 02 47.3 +0.8
SONM	Songino Array	87.65	323	P	P	06 02 46.3 -0.2
SONM	Songino Array	87.65	323	pP	pP	06 03 30.2 -2.3
SONM	Songino Array	87.65	323	pP	pP	06 03 30.2 -2.3
SONM	Songino Array	87.65	323	PKK	PKK	06 20 34.0 -1.7
DBO	Donson Butte	87.66	43	I Amb	I Amb	06 02 49.2
VTX	Valle De La Tr	87.67	56	I Amb	I Amb	06 02 49.7
SML	Sawmill	87.75	19	P	P	06 02 46.1 -0.4
G17K	Kiwalik Mounta	87.78	12	P	P	06 02 47.5 +1.0
GCSA	Galena City Sc	87.92	14	P	P	06 02 47.5 +0.4
M23K	Glacier View	87.92	19	P	P	06 02 46.8 -0.5
H18K	Honhosa River	87.94	13	P	P	06 02 47.4 +0.1
CAST	Castle Rocks	87.97	16	I Amb	I Amb	06 02 48.5
CAST	Castle Rocks	87.97	16	P	P	06 02 45.8 -1.7
J20K	Novinta River	88.07	15	P	P	06 02 47.4 -0.5
PFO	Pinyon Flats O	88.07	53	P	P	06 02 49.3 +0.4
PFO	Pinyon Flats O	88.07	53	LR	LR	06 35 57.5
PFO	Pinyon Flats O	88.07	53	pP	pP	06 02 49.8 +1.0
PFO	Pinyon Flats O	88.07	53	pP	pP	06 02 49.8 +1.0
SCM	Sheep Creek Mo	88.07	19	I Amb	I Amb	06 02 48.7
SCM	Sheep Creek Mo	88.07	19	P	P	06 02 47.4 -0.7
SCM	Sheep Creek Mo	88.07	19	P	P	06 02 49.5
BERG	Berg Lake	88.17	21	I Amb	I Amb	06 02 51.9
PNTR	Pine Nut	88.18	47	I Amb	I Amb	06 02 51.9
TROLL	Troll, Antarti	88.23	184	↑P	↑P	06 02 48.8 -0.2
TROLL	Troll, Antarti	88.23	184	↑P	↑P	06 03 33.8 -1.2
SFX	San Felipe	88.25	56	I Amb	I Amb	06 02 51.9
KLU	Klutina	88.25	20	P	P	06 02 47.8 -1.1
BMRM	Bremner River	88.29	20	P	P	06 02 47.6 -1.5
CHUM	Lake Minchumin	88.29	16	P	P	06 02 48.4 -0.5
BUCK	Buck Mountain	88.36	42	I Amb	I Amb	06 02 52.6
YERR	Yerington	88.39	48	I Amb	I Amb	06 02 52.0
TRF	Thorfare Moun	88.48	17	P	P	06 02 49.9 -0.2
F17K	Baldwin Pennin	88.50	11	P	P	06 02 50.1 +0.3
I20K	Naaghedeneel	88.51	15	P	P	06 02 49.9 0.0
G18K	Tagagawik	88.53	13	P	P	06 02 49.9 -0.2
DSP	Deep Springs	88.57	49	I Amb	I Amb	06 02 53.6
NVL	N'Azarevskaya	88.58	187	eP	eP	06 02 48.4 -2.0
NVL	N'Azarevskaya	88.58	187	eS	eS	06 12 56.4 -5.0
NVL	N'Azarevskaya	88.58	187	ceP	ceP	06 02 48.4 -2.0
M24K	Tolsona, Glenn	88.64	19	P	P	06 02 51.3 +0.6
H19K	Roundabout Mou	88.68	13	P	P	06 02 50.6 -0.1
RYN	Ryan	88.73	48	I Amb	I Amb	06 02 53.6
N25K	Chitina, Valde	88.76	20	P	P	06 02 51.0 -0.4
NVAR	Minna Array Bea	88.80	48	P	P	06 02 53

31d 5h

2019 JAN

1830

Table with columns: IOTA, Ize, 90.51, 43, IAMB, IAMB, 06 03 02.5, etc. Lists various locations and their corresponding data points.

Table with columns: M31M, Drury Creek, Y, 92.70, 23, IAMB, IAMB, 06 03 09.7, etc. Lists various locations and their corresponding data points.

Table with columns: WMQ, Urumqi, 97.64, 314, eP, Pdif, 06 03 34.8 +2.2, etc. Lists various locations and their corresponding data points.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Residual, Elevation Residual. Includes stations like MLR Muntele Rosu, DOPR Dopca, SKOLS Kolonice sedl, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Residual, Elevation Residual. Includes stations like BMRD Maredosus, MCH1 Michaelchurch, WLF Walferdang, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Residual, Elevation Residual. Includes stations like BBJJ Bungbulang, CNJI Cibinong, WRA Warrungula, etc.

31d 7h

Table with columns: TIR, Tirane, 0.14 294 P, Pg, 06 38 26.4 0.0, Sg, 06 38 29.0 +0.6, MBFL, MBWH, MBWH, 2.21 139 eS, Sn, 06 46 33.4 -0.9, Pn, 06 46 07.3 +0.6, ARXS, Arharly, 0.8nm,0.1s, 2.20 18 eP, Pg, 07 15 00.9 -0.3, ARXS, 4.2nm,0.1s, eS, Sg, 07 15 29.6 0.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC, Res, h, m, s, ISC

2019 JAN

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC, Res, h, m, s, ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC, Res, h, m, s, ISC

1832

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC, Res, h, m, s, ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC, Res, h, m, s, ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC, Res, h, m, s, ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC, Res, h, m, s, ISC

1833

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ARRO Arrone, FAGN Fagnano, MCO2 Monte Cornacci, etc.

ROM 31 07:24:30.1±0.1, 42.507N±0.004, 13.215E±0.005, h13km, ML1.8/21, 2C-2D, Error ellipse: s-maj=0.4km s-min=0.1km az=32.0, Central Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RM33 Pellescritta, RM33, RM33, etc.

2019 JAN

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NRCA, ARRO Arrone, ARRO, etc.

SKHL 31 07:26:06.3±0.0, 45.00N±150.00E, h43km±2km, mb4.6/3 IDC 31 07:26:09.2±3.7, 45.00N±149.92E, h67km±34km, mb3.3/7, mbmp3.6/9, ML3.3/2, MS2.9/2, Error ellipse: s-maj=43.2km s-min=20.3km az=139.0

ISC 31 07:26:07.6±0.8, 45.00N±149.90E±0.08, h51km, n24, ±0.93/18, mb3.7/7, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KUR Kuril'sk, KUR, KUR, etc.

SJA 31 07:34:42.1±0.8, 22.72S±66.13W, h273km±6km, ML3.9, MW3.6 IDC 31 07:34:42.2±1.2, 22.68S±66.13W, h243km±19km, mb3.0/5, mbmp3.6/9, Error ellipse: s-maj=22.4km s-min=18.7km az=52.0

ISC 31 07:34:42.7±0.7, 22.73S±0.05±66.24W±0.05, h251km, n24, ±1.35/33, mb3.2/5, Jujuy Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like YJA Yavi, YJA, YJA, etc.

31d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AC02 Pan de Azucar, AC01, AC01, etc.

ISN 31 07:38:23.6±0.4, 34.52N±45.25E, h14km±8km, ML2.7 TEH 31 07:38:24.0, 34.52N±45.25E, h12km±17km, ISC 31 07:38:24.2±1.3, 34.51N±0.05±45.24E±0.04, h14km±12km, n9, ±0.85/14, Iran-Iraq border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KGS1 Ghasr-e-Shirin, GLG1 Gilan-e-Gharb, IDHR Dehrah, etc.

SJA 31 07:40:34.8±0.9, 30.12S±71.45W, h58km±5km, ML3.1, MW3.3 GUC 31 07:40:37.2±0.7, 30.10S±71.13W, h57km±3km, ML3.5 ISC 31 07:40:37.3±1.3, 30.1±0.03±71.42W±0.05, h50km±9km, n38, ±1.63/60, 3C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CO05 La Serena, CO05, CO05, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ILAS Lasjerd, ILBA Iliam Banvizeh, and various other frequencies.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KSR5 Korea Army, MKAR Makanchi Array, and various other frequencies.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FOZ Fox Glacier, LBZ Timaru, and various other frequencies.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Casey, JAGI, MJAR, MAJO, PCJI, UGM, STKI, ASAJ, KPJI, QSPA, YULB, SSLB, SSSL, TPUB, BBJI, LEM, FALS, PETK, CHNA, S12K, P08K, GJBK, KNMB, KRSR, SP1A, CHIR, SII, USRK, MDSI, R16K, OHAK, R18K, Q17K, MNAI, O15K, K16K, KDAK, P16K, MDJ, MDJ, M11K, M11K, PNTR, P17K, O16K, M13K, NVAR, Q19K, P18K, P18K, M14K, M14K, J04A, M15K, N16K, O18K, O18K, L14K, N17K, J05D, M16K, M16K, O19K, O19K, ILSW, K13K, N18K.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BNX, O20K, L15K, BRSE, PINE, N19K, L16K, L16K, M17K, M17K, R11B, WHN, K15K, M18K, J14K, Q23K, L17K, SLKM, TUC, M2C, MA2, O22K, SPCR, P23K, I07A, TIA, GAMB, GAMB, L18K, L18K, GNV, J08A, BELA, BELA, K17K, K17K, STLK, L19K, RC01, M20K, PWA, SUA, SUA, SUA, J16K, U15A, KAIM, SKT, GLI, L20K, J17K, J17K, TTA, TTA, M22K, KNK, PMR, G08A, G08A, I17K, GHO, SIT, ANM, J18K, J18K, U33K, V35K, HAWA, SML, CUT, CUT, M23K, BMRM, BMRM, PPLA, S31K, MESA, SCM, SCM, K20K, K20K, KLU, H16K.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like S32K, WRAK, J19K, PINM, CAST, CAST, VRDI, TNA, TNA, TNA, N25K, F14K, M24K, M24K, GLB, MAW, H17K, HNS, HNS, U35K, J20K, J20K, G16K, F10A, F10A, R32K, RF2F, CHUM, F15K, GCSA, BJT, BJI, BJI, O28M, LYN, LYN, HARP, H18K, RND, O29M, G17K, PLBC, BPAW, I20K, MCK, MCK, P30M, T35M, PAX, YUK8, M26K, M26K, YUK6, H19K, G18K, YUK3, S34M, HYT, M27K, M27K, H20K, YUK4, F17K, L26K, L26K, I21K, P32M, NEA2, K24K, Q32M, BVCY, G19K, G19K, O30N, GYA, GYA, RIDG, F18K, HDA, H21K, CCB, L27K, N30M, TX31, TXAR, TXAR, TXAR.

Table with columns for station ID, name, coordinates, and status. Includes stations like E17K, WHY, I23K, DLBC, COLA, SCRR, ILAR, ILAR, ILAR, F19K, M29M, H22K, P33M, N31M, POKR, J25K, R33M, XLT, XLT, E18K, D17K, G21K, G21K, J26L, J26L, DLMT, RDOQ, C16K, E19K, E19K, M30M, M30M, L29M, L29M, XAN, XAN, XAN, XAN, N32M, S22A, PRP, F21K, C17K, G23K, YHB, M31M, DAWY, DAWY, YHL, PD31, PDAR, I26K, I26K, EGAK, C18K, FARO, WTLY, K29M, K29M, COLD, COLD, D19K, G24K, E20K, HHC, HHC, MAYO, J29N, I27K, D20K, TOAD, B18K, E21K, E21K, E22K, E22K, I28M, F24K, F24K, T25A, KMI, E23K, E23K, J30M.

Table with columns for station ID, name, coordinates, and status. Includes stations like H27K, I29M, G26K, E24K, C21K, D22K, D22K, F25K, F25K, BMAR, N23A, 833A, G27K, I30M, A19K, TOLK, D23K, D23K, B21K, F26K, F26K, ELIB, H29M, H29M, E25K, KOTAR, CMAR, CMAR, D24K, PZH, PZH, PZH, G29Y, G29Y, H31M, B22K, F28M, F28M, D25K, TROLL, G30M, G30M, A21K, SNA, SNA, SNA, SNA, VNA3, G31M, E28M, E28M, C27K, C27K, C26K, F30M, PLCA, E29M, E29M, F31M, VNA1, LZH, LZH, D28M, INK, INK, INK, SONM, YKA, C36M, C36M, G3A, G3A, A36M, A36M, L44B, L44B, MKAR, KURB, AAK, BVAR, GAR, ARTI, AKTO, ARCES, ARCES, FINES, FINES.

Table with columns for station ID, name, coordinates, and status. Includes stations like FINES, NOA, HFS, KBZ, AKASG, AKASG, SORM, SORM, LODK, ILGA, BUR08, TLR, BURAR, SCTR, GHR, STHS, TESR, KOLS, BR101, BR101, BR101, BRTR, BRTR, SCHL, IZVR, KIRS, CFR, ONER, ONER, ODBI, VRI, PLOR, TIRR, BMR, CHVC, ANTO, ANTO, ANTO, ARCA, HARR, STEB, COVR, DPC, BRG, BRG, BRG, LANS, KRLC, MANR, MORC, KECS, ISR, MLR, MBR, MBR, CJR, MMAI, MARR, MARR, DRGR, VRAC, VYHS, VYHS, JAVC, PSZ, ARR, KRUC, ZVIC, UCC, MODS, MEM, BTNL, SIRR, KHC, KHC, GZR, BMRD, GERES, GERES, BZS, CONA, RONA, HERR, WLF, MOA, MDVR, ARSA, BIOA, BFO, LESA, SOKA, BOVS, KBA, WATA, WATA, RETA, OBKA, WTTA, MOTA, MYKA, SQT, ABTA, DAVA, FETA, TUE, TORD, TORD, TORD.

JMA 31 09:40:55.0±0.4, 44°N, 2°14'48"E, h57km, MV3.5/14, SE
OFF ETOROFU
SKHL 31 09:40:56.3±0.1, 44°40'N, 147°40'E, h85km±2km, mb4.2/2, msha.9/3
ISC 31 09:40:56.1±0.2, 44°33'N, 147°50'E, h71km±18km, n13, r15125, Kuril Islands
Code Station Name A ZP Phase ID ISC Res Time Res ISC
SHO Shikotan 0.6±0.20 i P A 09 51 11.3 ±0.7
SHO 200nm.0.5s A A 09 51 11.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Virojoki, Keuruu, Gotland, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Nan Shan, Hehuan Shan, Fushou, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWK, CHN1, Nanshi, etc.

NNC 31 11:39:07.0, 2.5, 51.99N, 75.45E, h9km, 26km, mb2.9, az=26.0, Suspected Mining explosion.

IDC 31 11:39:08.5, 1.0, 51.65N, 75.49E, h0km, mbmp2.6/3, ML1, 7/2, Error ellipse: s-maj=23.8km s-min=7.7km

ISC 31 11:39:08.2, 1.1, 51.6N, 75.44E, 0.08, h0km, n11, a190/13, 6C-4D, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kurchatov Arra, Kurchatov, Kurchatov, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WULai, WULai, WULai, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWK, CHN1, Nanshi, etc.

NEIC 31 12:18:14.1, 1.1, 2.6148N, 0.03:149.93W, 0.05, h39km, 7km, Error ellipse: s-maj=4.4km s-min=3.1km az=149.0

AEIC 31 12:18:14.3, 0.9, 61.43N, 0.03:149.91W, 0.05, h45km, 4km, ML2.9, ML3.1/150(NEIC), Error ellipse: s-maj=4.1km

s-min=3.3km az=138.0, Southern Alaska

JMA 31 11:54:06.0, 0.1, 24.1N, 122.3E, 0.5, h35km, 4km, MV3, 1/14, TAIWAN REGION

TAP 31 11:54:06.1, 24.06N, 122.29E, h23km, ML3.3, C

ISC 31 11:54:05.7, 0.9, 23.99N, 0.02:122.30E, 0.02, h24km, 6km, n150, 057/285, 1D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EOSA, EOSA, EOSA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHP, WHP, WHP, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIS, FIS, FIS, etc.

2019 JAN

31d 12h

Table with columns: Station ID, Name, Elevation, Frequency, Band, Mode, Date/Time, Azimuth, Elevation, Signal Strength, etc. Includes stations like P23K, O20K, M24K, KLU, etc.

Table with columns: Station ID, Name, Elevation, Frequency, Band, Mode, Date/Time, Azimuth, Elevation, Signal Strength, etc. Includes stations like L15K, I17K, K15K, etc.

CNRM 31 12:24:44.8, 37:02N:8:47W, h20km, ML3.4
SFS 31 12:24:45.8, 37:21N:8:52W, h20km, ML3.7/16, ML3.8/16, MLV3.5/16
MDD 31 12:24:45.0, 37:25N:8:50W, h11km, mb, Lg3.5/16, Error ellipse: s-maj=2.7km s-min=2.3km az=58.0
INMG 31 12:24:46.4, 37:23N:8:52W, h19km, 2km, ML3.3, Error ellipse: s-maj=2.5km s-min=2.3km az=50.0
#DIST_RANGE: LOCAL #IFMA_REGION: NW Silves
#FLT: IUIV (MM56) at Fono (Faro)
IGIL 31 12:24:46.7, 37:23N:8:52W, h18km, ML3.5
ISC 31 12:24:45.0, 37:19N:0:02, 8.54W, 0.02, h23km, 5km, n102, e2813/192, 8C-3P, Portugal

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like P20R, P20R, P20R, etc.

Table with columns: Station ID, Name, Elevation, Frequency, Band, Mode, Date/Time, Azimuth, Elevation, Signal Strength, etc. Includes stations like PESTR, PMAFR, PMAFR, etc.

31d 13h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like KDAX, OHAK, QHAK, etc.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like Q16K, FID, RDJH, etc.

1844

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like KIAG, GLB, SAMH, etc.

1845

Table with columns for station ID, name, elevation, frequency, and status. Includes stations like SKAG Skagway, BESE Bessie Mountain, and various river stations.

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Table with columns for station ID, name, elevation, frequency, and status. Includes stations like I28M Miner Creek, UNV Unalakleet, and various river stations.

31d 13h

Table with columns for station ID, name, elevation, frequency, and status. Includes stations like INK Inuvik, C16K Lisburne Hills, and various river stations.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like Korea Array, XilinHaoTe, Nakatsue, Songoing Array, Zalesovo Beam, FINESS Array B, Borovoye Array, Kurchatov Arra, Gaotai, Makanchi Array, Malin Array Si, Malin Array Be, Malin Array Si, PanZhiHua, Tagaytay City, Keskin Array B, Chiang Mai Arr, Montagnes des, Vanda, South Pole Qui, Boshof, BOSA.

UCR 31 13:04:58.9, 0.8, 9.87N-83.96W, h78km, 1km, MW3.9, 12C-35D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations from TAGO Cartago to Arenal 1.

UCR 31 13:09:50.3, 0.7, 8.87N-83.87W, h0km, 2km, MW5.4, Fault plane solution: NP1, 120.000000, 645.000000, 1.90.000000.
CATA 31 13:09:51.2, 1.1, 9.7N-7.84W, h8km, 6km, M5.3/7, MLv5.3/7, Error ellipse: s-maj=20.8km s-min=5.8km az=43.1, confirmed
NEIC 31 13:09:53.0, 2.3, 8.94N-0.06, 83.78W, 0.05, h13km, 3km, mb4.9/363, Mw4.9/19, Error ellipse: s-maj=10.9km s-min=4.8km az=216.0, Moment Tensor Solution.

Moment tensor: Scale 101Nm; Mrr: 2.21; Mtr: 1.42; Mtt: -0.73; Mtr: 1.93; Mtr: 0.91; Mtr: -1.12; Fault plane solution: M3, 14000x1016 NP1, 308.11000, 821.58000, 1.95.36000. NP2, 122.35000, 868.51000, 1.87.88000. Principal axes: T 3.2116, P1666.0000, Azm29.0000; N -0.1509, Plg2.0000; Azm123.0000; P -3.0607, Plg23.0000; Azm214.0000.
NEIC 31 13:09:52.8, 8.96N-83.76W, h10km
UPA 31 13:09:52.2, 1.9, 8.92N-83.88W, h10km, MW5.1
RSNC 31 13:09:53.8, 0.3, 9.1N-2.84W, h14km, M4.7, mb5.1, mb5.3, ML4.5, Mw(mb)4.9, Mw(Mwp)5.0, Mwps2.5, Mtr: 0.73; Mtr: 1.93; Mtr: 0.91; Mtr: -1.12; Fault plane solution: mtmp4.628, ML3.9/6, MS4.2/48, Error ellipse: M3, 14000x1016 NP1, 308.11000, 821.58000, 1.95.36000. NP2, 122.35000, 868.51000, 1.87.88000. Principal axes: T 5.0860, Plg77.0000; Azm38.0000; N 0.0100, Plg2.0000; Azm299.0000; P -5.0960, Plg13.0000; Azm290.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Triangular moment function
GCMT 31 13:09:56.0, 0.2, 8.90N-0.01, 83.89W, 0.02, h22km, MW5.1/109, Moment Tensor Solution. s52 c69; s109 c161; Duration: 0 Moment tensor: Scale 1016Nm; Mrr: 4.56; Mtr: 1.8; Mtr: 3.54; Mtr: 1.1; Mtr: 1.02; Mtr: 1.8; Mtr: 1.5; Mtr: 1.23; Mtr: 2.0; Best double couple: M5.09100x1016 NP1, 296.00000, 832.00000, 1.86.00000. NP2, 120.00000, 858.00000, 1.92.00000. Principal axes: T 5.0860, Plg77.0000; Azm38.0000; N 0.0100, Plg2.0000; Azm299.0000; P -5.0960, Plg13.0000; Azm290.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 31 13:09:52.8, 0.9, 8.91N-0.03, 83.84W, 0.03, h23km, 6km, n813, c125/683, mb4.9/204, MS4.2/46, 17C-69D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists stations from OCHAL Ojochal to Arenal 1.

Table with columns: Station Name, Azimuth, Phase ID, Time, Residual. Lists stations from CEDE Laguna Cededo to OTAV Otavalo.

SPBC	San Pablo de B	10.22 108	P	Pn	13 12 22.0 +3.7
SPBC	El Rosal	10.22 108	P	Pn	13 12 22.0
ROSC	El Rosal	10.28 113	Pn	Pn	13 12 22.6 +3.2
ROSC	El Rosal	10.28 113	P	Pn	13 12 21.8 +2.4
ROSC	El Rosal	10.28 113	P	Pn	13 12 24.7 +5.3
ROSC	El Rosal	10.28 113	P	Pn	13 12 24.7
PRAC	Prado	10.29 120	P	Pn	13 12 22.6 +3.4
PRAC	Prado	10.29 120	P	Pn	13 12 22.6
BETO	Betania	10.40 126	P	Pn	13 12 24.3 +3.6
BETO	Betania	10.40 126	P	Pn	13 12 24.3
OCAC	Ocana	10.43 93	P	Pn	13 12 22.7 +1.5
OCAC	Ocana	10.43 93	P	Pn	13 12 22.7
BARC	Barichara	10.81 102	P	Pn	13 12 30.4 +3.9
BARC	Barichara	10.81 102	P	Pn	13 12 30.4
PPLP	Puerto Lpez	10.83 163	P	Pn	13 12 26.6
PPLP	Puerto Lpez	10.83 163	P	Pn	13 12 26.6
CHIC	Chingaza	10.90 112	P	Pn	13 12 32.1 +4.2
CHIC	Chingaza	10.90 112	P	Pn	13 12 32.1
CCIG	Comitan	10.92 313	Pn	Pn	13 12 28.5 +0.6
FLOC	Florencia	10.93 131	P	Pn	13 12 32.1 +4.2
FLOC	Florencia	10.93 131	P	Pn	13 12 32.1
URMC	La Uribe, Meta	10.96 120	P	Pn	13 12 29.9 +1.5
URMC	La Uribe, Meta	10.96 120	P	Pn	13 12 29.9
CRUC	Correjon, Guaj	11.00 78	P	Pn	13 12 28.6 -0.4
CRUC	Correjon, Guaj	11.00 78	P	Pn	13 12 28.6
RUSC	La Rusia	11.08 105	P	Pn	13 12 32.9 +2.4
RUSC	La Rusia	11.08 105	P	Pn	13 12 32.9
MTD	Mount Duenas	11.10 33	Pn	Pn	13 12 31.8 +1.4
PAMC	Pamplona, Colo	11.14 97	P	Pn	13 12 34.1 +2.8
PAMC	Pamplona, Colo	11.14 97	P	Pn	13 12 34.1
VILC	Villavicencio	11.15 115	P	Pn	13 12 36.0 +4.9
VILC	Villavicencio	11.15 115	P	Pn	13 12 36.0
PIAT	Ana Tenorio	11.30 150	P	Pn	13 12 37.6
PIAT	Ana Tenorio	11.30 150	P	Pn	13 12 37.6 +4.2
HOJ	Hope	11.37 37	iP	Pn	13 12 39.2 +5.2
STH	Stony Hill	11.39 36	iP	Pn	13 12 36.6 +2.4
I20E	Galapagos	11.47 215	I	Pn	14 21 10.0
URIC	Uribia, Colomb	11.98 76	P	Pn	13 12 41.9 -0.5
URIC	Uribia, Colomb	11.98 76	P	Pn	13 12 41.9
COHC	Cochoachay	12.19 158	P	Pn	13 12 46.9 +1.7
COHC	Cochoachay	12.19 158	P	Pn	13 12 45.3 +0.1
COHC	Cochoachay	12.19 158	P	Pn	13 12 45.3
TAMC	Tame, Arauca	12.19 101	P	Pn	13 12 46.9 +1.6
TAMC	Tame, Arauca	12.19 101	P	Pn	13 12 46.9
SDV	Santo Domingo	13.05 89	Pn	Pn	13 12 57.6 +0.4
SDV	Santo Domingo	13.05 89	Pn	Pn	13 12 58.0 +0.9
SDV	Santo Domingo	13.05 89	Pn	Pn	13 12 57.6 +0.6
SDV	Santo Domingo	13.05 89	Pn	Pn	13 12 57.8
CMIG	Mattias Romero	13.48 308	P	Pn	13 13 03.8 +1.0
MCCR	Rio Carpintero	13.55 35	eP	Pn	13 13 05.3 +1.7
MCCR	Macar, Loja	13.75 163	P	Pn	13 13 06.9 +0.3
MCCR	Macar, Loja	13.75 163	P	Pn	13 13 06.9
SOR	Sorora	13.83 37	P	Pn	13 13 10.9 +3.4
GTBY	Guantanamo Bay	13.83 37	Pn	Pn	13 13 08.9 +1.4
GTBY	Guantanamo Bay	13.83 37	P	Pn	13 13 08.9 +1.4
GTBY	Guantanamo Bay	13.83 37	P	Pn	13 13 10.5 +3.0
GTBY	Guantanamo Bay	13.83 37	P	Pn	13 13 08.9
PINC	Pinar de May	13.89 33	eP	Pn	13 13 10.5 +2.1
QMBU	Qumbuelo	14.22 37	eP	Pn	13 13 13.3 +0.4
NMDO	Nuevo Mundo	14.40 35	P	Pn	13 13 17.1 +1.7
PAIH	Port-au-Prince	14.72 48	Pn	Pn	13 13 22.2 +2.4
PAIH	Port-au-Prince	14.72 48	Pn	Pn	13 13 14.7 +0.1
SDDR	Presas de Saban	15.76 49	P	P	13 13 37.5 +0.2
SDDR	Presas de Saban	15.76 49	P	P	13 13 38.0 +0.8
SDDR	Presas de Saban	15.76 49	P	P	13 13 37.5
BANI	BANI	16.13 53	Iamb	Pn	13 13 39.0 +0.6
BANI	BANI	16.13 53	Iamb	Pn	13 13 43.9
ATAH	Atahualpa	16.84 161	P	Pn	13 13 48.8 +1.1
ATAH	Atahualpa	16.84 161	P	Pn	13 13 48.8
DR12	Loma Pena Alta	17.12 53	P	P	13 13 52.0 -0.4
DR12	Loma Pena Alta	17.12 53	P	P	13 13 54.5
MLPR	Maguayes Isd	18.64 59	P	P	13 14 08.4 -0.6
AGPR	Agua de Piedra	18.81 58	P	P	13 14 10.9 -0.1
PCRV	Puerto La Cruz	18.98 85	P	P	13 14 13.6 -0.1
PCRV	Puerto La Cruz	18.98 85	P	P	13 14 17.9 -0.3
PCRV	Puerto La Cruz	18.98 85	P	P	13 14 17.9
TBTG	Tabatinga, AM	19.03 133	eP	P	13 14 14.2 +0.8
OBIP	Obispo Ponce	19.05 60	P	P	13 14 14.3 -0.1
IGPR	InterUniversit	19.44 61	P	P	13 14 19.4 +0.2
SJG	San Juan	19.47 60	P	Pn	13 14 18.9 -0.5
SJG	San Juan	19.47 60	P	Pn	13 14 17.9 -0.3
SJG	San Juan	19.47 60	P	Pn	13 14 17.9
SJG	San Juan	19.47 60	P	Pn	13 14 17.9
PDPR	Patillas Dam	19.54 61	P	Pn	13 14 20.0 -0.2
GOPR	Guaynabo City	19.61 60	P	Iamb	13 14 20.3 +0.6
HUMP	HUMPU	19.74 60	P	P	13 14 21.6 +0.5
HUMP	HUMPU	19.74 60	P	P	13 14 21.6
CZSB	Cruzeiro do Su	19.91 146	P	P	13 14 24.7 +1.7
CZSB	Cruzeiro do Su	19.91 146	P	P	13 14 35.8
CZSB	Cruzeiro do Su	19.91 146	eP	P	13 14 23.5 +0.5
WILST	Williston	20.39 3	P	P	13 14 28.5 +0.4
NNA	Nana	21.90 161	P	P	13 14 45.3 +0.8
NNA	Nana	21.90 161	P	P	13 14 52.7
NNA	Nana	21.90 161	P	P	13 14 44.7 +0.2
NNA	Nana	21.90 161	P	P	13 14 44.7
GDHS	Morre Mazeau	22.74 69	P	P	13 14 53.4 -0.2
TEFE	Tefe	22.78 122	eP	P	13 14 54.1 +0.2
CBE	Big Creek Wild	22.97 348	P	P	13 14 57.7 +1.9
CBE	Big Creek Wild	22.97 348	P	P	13 15 03.8
250A	Grady	23.07 355	P	P	13 14 57.6 +0.9
250A	Grady	23.07 355	P	P	13 15 01.9

154A	Montrose	23.60 2	P	P	13 15 02.7 +0.7
VBMS	Vicksburg	24.01 346	P	P	13 15 06.5 +0.6
BOAV	Boa Vista	24.08 104	eP	P	13 15 07.6 +0.8
BOAV	Boa Vista	24.08 104	eP	P	13 15 14.7
MLDN	Muldoon	24.18 331	P	P	13 15 08.8 +1.2
MLDN	Muldoon	24.18 331	P	P	13 15 12.6
LRAL	Lakeview Retre	24.18 354	P	P	13 15 07.8 +0.2
LRAL	Lakeview Retre	24.18 354	P	P	13 15 16.4
833A	Chaparral WMA	24.24 325	P	P	13 15 08.3 +0.1
247A	Carrollton	24.48 351	P	P	13 15 10.6 +0.3
247A	Carrollton	24.48 351	P	P	13 15 21.8
143A	Socs Landing	24.69 345	P	P	13 15 13.2 +1.0
Y52A	Libburn	24.84 360	P	P	13 15 14.7 +1.2
Y52A	Libburn	24.84 360	P	P	13 15 17.6
Y49A	Blount Mountai	24.94 355	P	P	13 15 15.2 +0.7
Y49A	Blount Mountai	24.94 355	P	P	13 15 18.9
HND0	Hondo	25.11 327	P	P	13 15 16.4 +0.4
HND0	Hondo	25.11 327	P	P	13 15 22.2
HODGE	Hodges	25.24 3	P	P	13 15 17.6 +0.4
HODGE	Hodges	25.24 3	P	P	13 15 21.4
435B	Jarrell	25.26 331	P	P	13 15 18.4 +1.1
435B	Jarrell	25.26 331	P	P	13 15 17.6 +0.2
JSC	Jenkinsville	25.36 5	P	P	13 15 19.2 +1.0
FPAL	Fort Payne	25.56 357	P	P	13 15 20.5 +0.5
ETMB	Extrema	25.57 136	P	P	13 15 20.2 -0.1
ETMB	Extrema	25.57 136	P	P	13 15 26.4
ETMB	Extrema	25.57 136	eP	P	13 15 20.4 0.0
ETMB	Extrema	25.57 136	eP	P	13 15 20.5 +0.2
ETMB	Extrema	25.57 136	P	P	13 15 25.9
Z41A	Richland Creek	25.61 342	P	P	13 15 19.2 -1.2
BIRD	Birtown, Kers	25.80 6	P	P	13 15 22.8 +0.5
CGAR	Cane Creek	25.94 345	P	P	13 15 23.4 +1.9
BG3	Lake Jocassee	25.98 2	P	P	13 15 25.2 +1.3
BG3	Lake Jocassee	25.98 2	P	P	13 15 29.0
MACA	Manacapuru-AM	26.02 116	P	P	13 15 20.5 +0.6
MACA	Manacapuru-AM	26.02 116	eP	P	13 15 25.3 +0.9
WLA	White Oak Lake	26.32 342	P	P	13 15 26.3 +1.3
JCT	Junction City	26.13 327	P	P	13 15 24.7 -0.6
JCT	Junction City	26.13 327	P	P	13 15 32.4
W50A	Signal Mountain	26.20 357	Iamb	P	13 15 36.9
SWET	Swansea	26.25 356	P	P	13 15 26.2 -0.2
SWET	Swansea	26.25 356	P	P	13 15 31.4
W57A	Gilead	26.36 7	P	P	13 15 27.5 +0.2
W57A	Gilead	26.36 7	P	P	13 15 30.2
BRDY	Brady	26.36 330	Iamb	P	13 15 34.0
CPCT	Cooper Cave	26.43 359	Iamb	P	13 15 39.5
TKL	Tuckaleechee C	26.62 0	P	P	13 15 29.0 -0.7
TKL	Tuckaleechee C	26.62 0	P	P	13 15 35.9
V53A	Saluda	26.65 2	Iamb	P	13 16 05.3
V48A	Smethers	26.84 355	Iamb	P	13 15 37.2
UALR	University of	26.90 344	P	P	13 15 30.5 -1.6
UALR	University of	26.90 344	P	P	13 15 38.9
MIAR	Mount Ida	27.04 342	Iamb	P	13 15 36.3
WVT	Waverly	27.34 353	P	P	13 15 34.5 -1.5
WVT	Waverly	27.34 353	P	P	13 15 42.1
U49A	Red Boiling Sp	27.54 357	Iamb	P	13 15 47.1
TXAR	Lajitas Array	27.55 320	P	P	13 15 37.8 -0.3
TXAR	Lajitas Array	27.55 320	P	P	13 15 44.1
TXAR	Lajitas Array	27.55 320	P	P	13 15 37.8 -0.3
TXAR	Lajitas Array	27.55 320	P	P	13 18 56.4 +0.5
LCAR	Lake Charles	27.84 347	Iamb	P	13 15 40.5
T47A	Sharon Grove	28.11 354	Iamb	P	13 15 51.1
PBMO	Poplar Bluff	28.38 349	Iamb	P	13 16 24.3
SB1A	Seawille	28.50 0	Iamb	P	13 15 52.5
CGM3	Cape Girardeau	28.75 350	Iamb	P	13 15 49.0
SIUC	Southern Illin	29.09 351	Iamb	P	13 15 52.1
WMOK	Wichita Mounta	29.13 334	Iamb	P	13 16 05.4
MGMO	Mountain Grove	29.14 346	Iamb	P	13 16 10.1
R50A	Paris	29.25 359	Iamb	P	13 15 55.1
R49A	Shelbyville	29.28 358	Iamb	P	13 15 54.4
OK031	S. Brethren Rd	29.41 338	Iamb	P	13 15 56.3
OK052	Battle Ridge R	29.43 338	Iamb	P	13 16 01.6
LPAZ	La Paz	29.47 148	P	P	13 15 56.7 +0.8
LPAZ	La Paz	29.47 148	P	P	13 15 57.4 +1.4
LPAZ	La Paz	29.47 148	P	P	13 15 57.4
LPAZ	La Paz	29.47 148	P	P	13 29 55.3
LPAC	La Paz	29.47 148	eP	P	13 15 57.0 +1.0
CCM	Cathedral Cave	29.78 348	P	P	13 15 55.8 -2.0
CCM	Cathedral Cave	29.78 348	P	P	13 15 57.4
Q51A	Peebles	29.99 1	P	P	13 14 13.6 -0.6
Q54A	Coxs Mills	30.07 5	Iamb	P	13 16 03.3
Q44A	Meyer Farm, Va	30.22 352	Iamb	P	13 16 01.9
BLO	Bloomington	30.23 356	Iamb	P	13 16 02.3
P49A	Miami Univ. Ec	30.50 359	P	P	13 16 03.0 -1.2
P49A	Miami Univ. Ec	30.50 359	P	P	13 16 04.6
P46A	Rosedale	30.73 355	Iamb	P	13 16 06.8
P57A	Homestead Farm	30.89 9	Iamb	P	13 16 12.0
ITTB	Itaituba	30.97 114	eP	P	13 16 08.9 +0.3
O49A	Covington	31.15 359	Iamb	P	13 16 10.6
MDP	Montagnes des	31.19 95	LR	P	13 29 16.1
O48B	Farmland	31.24 276	P	P	13 16 10.7 0.0
P40A	Dawn	31.36 348	Iamb	P	13 16 10.7
P40A	Dawn	31.36 348	P	P	13 19 05.5 +0.1
P38A	Dawn	31.79 346	Iamb	P	13 16 15.1
N49A	Columbus Grove	31.88 360	Iamb	P	13 16 17.0
VILB	Vilhena	31.99 132	eP	P	13 16 17.8 +0.3
PB08	IPOC Station P	32.29 154	Iamb	P	1

31d 13h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like E07A Sunnyside, BSCB Bom Sucesso, CPBS Cacapava Do Su, etc.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like M27K Edge Creek, M27K Edge Creek, G30M Aach Zraii Nj, etc.

1848

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like HOM Homer, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Zero, Elevation Zero, Azimuth Gain, Elevation Gain, Azimuth Loss, Elevation Loss, Azimuth Phase, Elevation Phase, Azimuth Delay, Elevation Delay, Azimuth Spread, Elevation Spread, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Cor, Elevation Cor, Azimuth Det, Elevation Det, Azimuth Sig, Elevation Sig, Azimuth P, Elevation P, Azimuth Q, Elevation Q, Azimuth R, Elevation R, Azimuth I, Elevation I, Azimuth J, Elevation J, Azimuth K, Elevation K, Azimuth L, Elevation L, Azimuth M, Elevation M, Azimuth N, Elevation N, Azimuth O, Elevation O, Azimuth P, Elevation P, Azimuth Q, Elevation Q, Azimuth R, Elevation R, Azimuth S, Elevation S, Azimuth T, Elevation T, Azimuth U, Elevation U, Azimuth V, Elevation V, Azimuth W, Elevation W, Azimuth X, Elevation X, Azimuth Y, Elevation Y, Azimuth Z, Elevation Z.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Zero, Elevation Zero, Azimuth Gain, Elevation Gain, Azimuth Loss, Elevation Loss, Azimuth Phase, Elevation Phase, Azimuth Delay, Elevation Delay, Azimuth Spread, Elevation Spread, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Cor, Elevation Cor, Azimuth Det, Elevation Det, Azimuth Sig, Elevation Sig, Azimuth P, Elevation P, Azimuth Q, Elevation Q, Azimuth R, Elevation R, Azimuth S, Elevation S, Azimuth T, Elevation T, Azimuth U, Elevation U, Azimuth V, Elevation V, Azimuth W, Elevation W, Azimuth X, Elevation X, Azimuth Y, Elevation Y, Azimuth Z, Elevation Z.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Trend, Elevation Trend, Azimuth Offset, Elevation Offset, Azimuth Scale, Elevation Scale, Azimuth Zero, Elevation Zero, Azimuth Gain, Elevation Gain, Azimuth Loss, Elevation Loss, Azimuth Phase, Elevation Phase, Azimuth Delay, Elevation Delay, Azimuth Spread, Elevation Spread, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Min, Elevation Min, Azimuth Max, Elevation Max, Azimuth Avg, Elevation Avg, Azimuth Std, Elevation Std, Azimuth Var, Elevation Var, Azimuth Cov, Elevation Cov, Azimuth Cor, Elevation Cor, Azimuth Det, Elevation Det, Azimuth Sig, Elevation Sig, Azimuth P, Elevation P, Azimuth Q, Elevation Q, Azimuth R, Elevation R, Azimuth S, Elevation S, Azimuth T, Elevation T, Azimuth U, Elevation U, Azimuth V, Elevation V, Azimuth W, Elevation W, Azimuth X, Elevation X, Azimuth Y, Elevation Y, Azimuth Z, Elevation Z.

Table with columns: Station Name, Station ID, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes stations like EGS, EGSS, EGSL, etc.

Table with columns: Station Name, Station ID, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes stations like WTK, WRL, SSD, etc.

Table with columns: Station Name, Station ID, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes stations like CHKH, CHKH, CHKH, etc.

IDC 31 13:32:41.2, 0.9, 34.805:54.73E, h0km, mb3.8/6, mbmp3.9/7, ML4.3/1, MS3.7/11, Error ellipse: s-maj=37.7km s-min=25.2km az=50.0

ISC 31 13:32:42.7, 0.9, 34.85:0.2:54.7E, 0.2, h10km, n28, mbmp3.9/6, MS3.6/11, Southwest Indian Ridge

Table with columns: Code, Station Name, Station ID, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes stations like H04N1, H04N2, H04N3, etc.

TAP 31 13:29:04.1, 23.68N, 122.54E, h18km, 1km, ML2.9, D, JMA 31 13:29:05.4, 0.2, 23.8N, 1.0, 122.5E, 0.5, h23km, MV2.4/10, NW OFF ISHIGAKIJIMA IS

ISC 31 13:29:02.9, 1.1, 23.72N, 0.02:122.53E, 0.02, h15km, 9km, n52, e063/103, Taiwan region

Table with columns: Code, Station Name, Station ID, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes stations like E0S4, E0S4, E0S4, etc.

IDC 31 13:36:48.6, 3.0, 36.03N, 119.77E, h0km, mb3.7/6, mbmp3.5/9, ML4.4/2, MS3.9/2, Error ellipse: s-maj=59.9km s-min=24.9km az=7.0

ATH 31 13:37:02.1, 37.27N, 20.69E, h12km, 2km, ML3.7/5, Error ellipse: s-maj=3.1km s-min=1.5km az=49.0

THE 31 13:37:03.7, 37.37N, 20.77E, h15km, ML3.7/5, Error ellipse: s-maj=0.8km s-min=0.4km az=36.0

BE0 31 13:37:24.1, 1.3, 39.00N, 20.66E, h0km, ML2.3/3, ISC 31 13:37:02.2, 1.6, 37.31N, 0.06:20.70E, 0.05, h17km, gkm, n57, e1923/70, mb3.7/6, Ionian Sea

Table with columns: Code, Station Name, Station ID, Elevation, Azimuth, Distance, Azimuth Error, Distance Error, Azimuth Error, Distance Error. Includes stations like LTHK, LTHK, LTHK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like AGPR Aguadilla, PR, DR12 Loma Pena Alta, etc.

BGR 31 14:33:01.1, 24:97S, 178:97W, h33km
MOS 31 14:33:56.7, 0.9, 24:28S, 179:94W, h501km, mb5.4/26,
Error ellipse: s-maj=9.7km s-min=7.9km az=122.6
BUJ 31 14:33:56.6, 24:00S, 179:55W, h503km, mb5.3/31,
mb5.4/77
NEIC 31 14:33:56.3, 24:33S, 179:85W, h520km
NEIC 31 14:33:56.3, 24:33S, 179:74W, h520km, Moment Tensor
Solution. Duration: 238. Moment tensor: Scale 10^17Nm;
Mrr=0.90; Mtr=0.09; Mtr=0.09; Mtr=0.09; Mtr=0.09; Mtr=1.85;
Fault plane solution: M2.20000x10^17 NP1:
q=219.50000°, p=15.85000°, n=65.90000°. NP2: q=14.56000°,
p=75.57000°, n=-96.61000°. Principal axes: T 2.3551,
Plg30.0000°, Azm110.0000°; N -0.3180, Plg6.0000°,
Azm16.0000°; P -2.0371, Plg59.0000°, Azm275.0000°.
IDC 31 14:33:56.9, 0.5, 24:26S, 179:89W, h494km, mb4.6/25,
mbmp5.4/29 Error ellipse: s-maj=9.2km s-min=8.3km
az=122.0
NEIC 31 14:33:57.1, 2.2, 24:34S, 0.09, 179:8W, 0.1, h500km, 5km,
mb5.1/369, Mmw5.5/19, Error ellipse: s-maj=13.8km
s-min=12.7km az=123.0
NOU 31 14:33:58.4, 24:32S, 179:80W, h510km, ML5.2/164, South
of Fiji Islands
GCMT 31 14:34:00.1, 0.2, 24:24S, 0.02, 179:99W, 0.02,
h512km, 1km, MW5.5/117, Moment Tensor Solution.
s17, c194; Duration: 154. Moment tensor: Scale 10^17 Nm;
Mrr=1.14, Mtr=0.03, Mtr=0.22, Mtr=0.05, Mtr=0.92, 0.05;
Mtr=0.57, 0.05; Mtr=0.24, 0.4; Mtr=1.82, 0.05; Best double
couple: M2.187000x10^17 NP1: q=197.00000°, p=15.00000°,
n=90.00000°. NP2: q=17.00000°, p=87.50000°, n=90.00000°.
Principal axes: T 2.1170, Plg30.0000°, Azm107.0000°;
N 0.1400, Plg9.0000°, Azm197.0000°; P -2.2570,
Plg60.0000°, Azm287.0000°; nsta1 refers to body waves,

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like RAO Raoul Island, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like HNR Honiara, ARMA Armidale, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like TAOF Nuku Hiva Isla, AS31 Alice Springs, WB2 Warramunga Arr, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like SANI Sanana, MORW Morawa, TNTI Ternate, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like BELA Belgrano 2, ADK Adak, MNAI Manna, etc.

Table with columns: ID, Name, Comp, Az, El, S, W, P, M, Az, El, S, W, P, M, Az, El, S, W, P, M. Includes entries like 1R16K Pilot Point, GSI Gunungsitoli, TROLL Troll, etc.

Table with columns: ID, Name, Comp, Az, El, S, W, P, M, Az, El, S, W, P, M, Az, El, S, W, P, M. Includes entries like O19K Port Alsworth, K13K Kusilvak Mount, K13K Kusilvak Mount, etc.

Table with columns: ID, Name, Comp, Az, El, S, W, P, M, Az, El, S, W, P, M, Az, El, S, W, P, M. Includes entries like EFI East Falkland, HIN Hin Hing, KAIM Kayak Island, etc.

GOET G72trup	146.72 351	i P	PKPbc	14 52 42.0 +0.3	YLLR	Llanberis	151.08 5	e P	PKPbc	14 52 52.5 -0.1	comp=Z,12nm,0.7s,baz=28,slow=6.0,SNR=10	CONA	Conrad Ostrowski	153.41 336	i PKP	PKPdf	14 52 50.0 +0.1
MCD Coleburn	146.72 3	e P	PKPbc	14 52 40.8 -0.0	CHVC	Chvalec	151.09 339	ePKP	PKIKP	14 52 53.3 +0.2		CONA	Comp=Z,12nm,1.3s				14 52 58.4 +0.3
KPL Plockton	146.79 6	e P	PKPbc	14 52 41.9 0.0	CHVC	Chvalec	151.09 339	ePKP	PKIKP	14 52 53.3 +0.2		CONA	comp=Z,23nm,0.7s		ePKP	PKIKP	14 52 53.7 +0.2
ASF Jabal al Asfar	146.88 292	e P	PKPbc	14 52 43.7 +0.6	KECS	Kecovo	151.10 331	e P	PKIKP	14 53 03.3		CONA	comp=Z,50nm,0.6s		ePKP	PKPab	14 53 13.9 -0.2
BZK Gokturk	147.02 296	e P	PKPbc	14 52 43.5 +0.5	KECS	Kecovo	151.10 331	e P	PKIKP	14 53 03.3		UCC	Uccle	153.42 354	dPKP	PKIKP	14 52 57.8 0.0
FKH Fakahesh	147.07 296	e P	PKPbc	14 52 44.1 +0.5	KECS	Kecovo	151.10 331	e P	PKIKP	14 53 03.3		MEM	Membrach	153.42 352	dPKP	PKIKP	14 52 57.8 0.0
BEIL Beino	147.22 296	e P	PKPbc	14 52 44.5 +0.6	RRGR	Singureni	151.12 320	i P	PKPbc	14 52 53.0 +0.1		BTNL	Ternel	153.43 352	dPKP	PKPdf	14 52 50.5 +0.8
MUD Bornstod U'grnd	147.28 351	i P	PKPbc	14 52 42.7 -0.5	MARR	Marisel-Cluj	151.15 326	i P	PKIKP	14 52 53.1 -0.1		BTNL	Ternel	153.43 352	dPKP	PKPdf	14 52 57.5 -0.4
BSD Monmholm Skovb	147.42 344	i P	PKPbc	14 52 43.0 -0.6	UPJC	Upice	151.17 339	ePKP	PKIKP	14 52 53.1 -0.1		BTNL	Ternel	153.43 352	dPKP	PKPdf	14 52 51.8 -0.8
DRUM Mains of Drumt	147.43 3	e P	PKPbc	14 52 42.7 -0.5	UPJC	Upice	151.17 339	ePKP	PKIKP	14 52 53.1 -0.1		RONA	Rosalia, Austr	153.43 335	ePKP	PKPdf	14 52 49.7 -0.2
COP Copenhagen	147.45 347	i P	PKPbc	14 52 43.6 -0.1	UPJC	Upice	151.17 339	ePKP	PKIKP	14 52 53.1 -0.1		RONA	Rosalia, Austr	153.43 335	ePKP	PKPdf	14 52 58.2 +0.2
HQW Hawqa	147.45 296	e P	PKPbc	14 52 44.6 0.0	UPJC	Upice	151.17 339	ePKP	PKIKP	14 52 53.1 -0.1		RONA	Rosalia, Austr	153.43 335	ePKP	PKPdf	14 53 14.0 +1.2
SORM Soroca	147.49 324	i P	PKPbc	14 52 43.7 -0.3	ARR	Arges	151.20 323	i P	PKIKP	14 52 54.1 +0.5		BSTI	Saint Tilman	153.50 352	dPKP	PKIKP	14 52 58.0 0.0
SORM Soroca	147.49 324	i P	PKPbc	14 52 43.7 -0.3	TNR	Turnu Rosu	151.22 324	i P	PKIKP	14 52 54.1 +0.5		SBD	Saint Breward	153.57 7	e P	PKPbc	14 52 56.8 -1.3
PURM Purcari	147.55 320	e P	PKPbc	14 52 44.2 -0.1	TNR	Turnu Rosu	151.22 324	i P	PKIKP	14 52 54.1 +0.5		PHUA	Plana	153.65 319	P	PKIKP	14 52 59.1 +0.3
RCY Rachiya	147.59 322	e P	PKPbc	14 52 44.5 +0.5	TNR	Turnu Rosu	151.22 324	i P	PKIKP	14 52 54.1 +0.5		BHOU	Houvezneq	153.67 352	dPKP	PKIKP	14 52 59.0 +0.5
SHBL Chebaa	147.74 294	e P	PKPbc	14 52 46.1 +0.7	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
BHD Bhanes	147.74 296	e P	PKPbc	14 52 45.1 -0.2	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
CILE Kastamonu/Cide	147.74 311	i P	PKPbc	14 52 45.4 +0.5	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
INVG Invergeldic	147.83 4	e P	PKPbc	14 52 42.9 -1.8	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
KIS Kishniev	147.90 322	e P	PKPbc	14 52 45.0 -0.1	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
RF13 Ruzsaw-Wawer	147.94 336	ePKP	PKPbc	14 52 45.6 +0.5	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	14 52 58.3 -0.1
MILM Milestii Mici	147.94 322	i P	PKPbc	14 52 44.7 -0.6	MORC	Moravsky Berou	151.25 336	ePKP	PKPdf	14 52 47.1 +0.7		BCLA	Clavier	153.69 353	dPKP	PKIKP	1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSFV Nonsavu, AFI Afiamala, MRZ Mangatainoka R, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BVCC Cotopaxi Volca, BNAS Cotopaxi Volca, CMCI Rancho Maria, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URIC Uribia, Colomb, PAMC Pamplona, Colo, etc.

IDC 31 14:50:53.5; 2.7, 4.42N; 127.20E, h0km, mb3.5/3, mbmp3.5/3, MS3.4/2, Error ellipse: s-maj=221.4km

DJA 31 14:50:54.8; 0.0, 4.4N; 5.12E, h11km, 4km, M4.0/9, mb4.0/9, MLV4.0/9

ISC 31 14:50:55.8; 1.7, 4.3N; 0.2, 126.7E; 0.2, h10km, n7, r1976/5, mb3.5/3, Talud Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SGGI Sangihe, SANI Sanana, LEM Lembang, etc.

IGQ 31 14:52:52.0; 0.9, 3.3S; 3.7W; h2km, 4km, MLV3.7/12, Peru-Ecuador border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOSC San Juan Bosco, SANGA Volcan Sangay, COHC Cochancay, etc.

IGQ 31 15:06:10.8; 0.8, 3.3S; 3.7W; h4km, 4km, MLV3.8/18, Peru-Ecuador border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOSC San Juan Bosco, SANGA Volcan Sangay, COHC Cochancay, etc.

RSNC 31 14:46:24.3; 0.5, 3.3S; 3.7W; h0km, M3.8, mB5.0, mb4.6, ML3.4, Mv(M)B4.3

IGQ 31 14:46:30.0; 0.4, 3.3S; 3.7W; h6km, MLV4.4/21

ISC 31 14:46:24.6; 1.5, 3.24S; 0.04; 77.59W; 0.05, h19km, 3km, n69, r151/85, Peru-Ecuador border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOSC San Juan Bosco, AZOG Ecuador-Azogue, ACUE Ecuador-Cuenca, etc.

RSNC 31 14:50:36.5; 0.0, 9.2N; 2.7W; h23km, 6km, M1.9, ML1.9

FUNV 31 14:50:39.3; 9.27N; 71.29W; h10km, MW2.2

ISC 31 14:50:38.1; 2.9, 9.43N; 0.04; 71.27W; 0.03, h28km, 14km, n11, r152/22, Lake Maracaibo

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SDV Santo Domingo, KURK Kurchatov, KURBB Kurchatov Arra, etc.

IDC 31 15:11:31.2; 0.8, 54.95N; 164.64E, h0km, mb3.7/16, mbmp3.7/18, ML3.3/2, MS3.3/7, Error ellipse: s-maj=23.6km s-min=14.6km az=151.0

KRSC 31 15:11:32.3; 1.5, 54.92N; 164.66E; h59km, 25km, M1.4, MOS 31 15:11:34.8; 1.5, 54.90N; 0.04; 164.69E; 0.05, h24km, 12km, n88, r140/119, mb3.9/15, MS3.4/4, Komandorsky

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKI Bering, BKT Bering, BKI Bering, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like MRHZ, NMHZ, KUTZ, ARHZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like CHKT, EDH, ECH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like KSHI, Guanxi Townshi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like WRA, ASAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like AIS, H04N2, H04N1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists stations like BRDH, VNA3, WSAR, SHL, DAV, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONM Songoing Array, ULN Ulanbaatar, AKTO Aktyubinsk, etc.

ADC 31 16:33:15.6±1.2, 16:70S×177:17W, h0km, mb4, 1/6, mbmp4, 1/6, Error ellipse: s-maj=55.8km s-min=25.7km

NEIC 31 16:34:14.7±0.9, 18:35S±2.178:1W±0.2, h590km, 9km, mb4.5/10, Error ellipse: s-maj=37.1km s-min=27.7km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSVF Nonsavu, RTZ Ruatahuna, ARMA Armadale, etc.

GII 31 17:00:27.4±0.0, 33:800N±0:004±35:078E±0:001, h14km, Mw=1.8, confirmed

GRAL 31 17:00:28.0±0.6, 33:91N±35:15E, h45km, 12km, MD2.7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DQRL Deir Qamar, BHAL Bhanes, ORWL Orwall, etc.

ADC 31 17:06:02.1±7.3, 20:95S±179:03E, h0km, mb3.5/3, mbmp3.5/3, Error ellipse: s-maj=312.6km s-min=42.0km az=147.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, ILAR Eileison Array, etc.

ADC 31 17:20:49.5±0.8, 15:51N±94:55W, h0km, mb4.0/15, mbmp4.0/16, ML3.2/2, Error ellipse: s-maj=26.5km s-min=11.0km az=66.0

NEIC 31 17:20:52.9±1.9, 15:52N±0:06±94:84W±0:04, h26km, 7km, mb4.3/67, Md4.5/16(MEX), Error ellipse: s-maj=8.8km s-min=5.3km az=180.0

GCG 31 17:20:53.5±2.4, 15:52N±94:87W, h35km±477km, MD5.0, Hypocentre not reviewed by the ISC

MEX 31 17:20:56.6±0.4, 15:56N±94:85W, h16km±8km, MD4.5, ISC 31 17:20:51.4±2.6, 15:49N±0:04±94:77W±0:03, h16km±17km, n91,±181/93, mb4.2/27, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NILT Santiago Nilte, CARR Arriaga, HUIG Huatulco, etc.

ADC 31 17:45:08.5±2.6, 17:8S±0:1×178:7W±0:1, h502km±4km, mb4.3/105, Error ellipse: s-maj=19.0km s-min=14.3km az=134.0

NOU 31 17:45:09.4, 17:71S±178:55W, h523km, mB5.1/9, Fiji Islands Region

ADC 31 17:45:11.6±0.8, 17:83S±178:94W, h538km±8km, mb3.8/14, mbmp4.6/16, Error ellipse: s-maj=14.7km s-min=10.3km az=125.0

ISC 31 17:45:08.0±0.4, 17:77S±0:08±178:73W±0:07, h500km, n317,±180/287, mb4.2/68, 3C, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like APG El Apazote, TLIG Tiapa, SCIG Sabancuy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RUSC La Rusia, WUAP Wupatki, PV13 Radium Mtn, etc.

ADC 31 17:45:08.5±2.6, 17:8S±0:1×178:7W±0:1, h502km±4km, mb4.3/105, Error ellipse: s-maj=19.0km s-min=14.3km az=134.0

NOU 31 17:45:09.4, 17:71S±178:55W, h523km, mB5.1/9, Fiji Islands Region

ADC 31 17:45:11.6±0.8, 17:83S±178:94W, h538km±8km, mb3.8/14, mbmp4.6/16, Error ellipse: s-maj=14.7km s-min=10.3km az=125.0

ISC 31 17:45:08.0±0.4, 17:77S±0:08±178:73W±0:07, h500km, n317,±180/287, mb4.2/68, 3C, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LBKA Tubou, DGTI Dogotuki, MSVF Nonsavu, etc.

31d 17h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MAJO Matsushiro, UGM Wanagama, UNV Unalaska Pole, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like L20K Farewell, SKT Skwentna, TTA Tatalina, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SCRK Sand Creek, ILAR Eielson Array, DLBC Dease Lake, etc.

Table with columns for station name, coordinates, elevation, and other details. Includes stations like VORR VORnez, VSR Storozhevoje, VORD Divnogorie, etc.

Table with columns for station name, coordinates, elevation, and other details. Includes stations like ANMO Albuquerque, MMAL Mount Meron Arr, Eilat, etc.

Table with columns for station name, coordinates, elevation, and other details. Includes stations like KBZ Khabaz, PDAR Pinedale Array, PLCA Paso Flores, etc.

Table of astronomical observations for 31d 19h, listing station names, coordinates, and observation times. Includes stations like NVAR, CCM, O20A, WAKR, etc.

Table of astronomical observations for 31d 19h, listing station names, coordinates, and observation times. Includes stations like H1S13, SONM, BRTR, etc.

SJA 31 18:58:24.9, 0.8, 24.17S; 67.18W, h198km, 15km, ML2.9, MW2.5

GUC 31 18:58:27.4, 0.6, 24.10S; 67.62W, h214km, 13km, ML3.7

ISC 31 18:58:25.6, 2.5, 21.17S; 0.06, 67.19W, 0.05, h195km, 24km, m13, r1=03211, 2C-1D, Chile-Argentina border region

Table of astronomical observations for 31d 19h, listing station names, coordinates, and observation times. Includes stations like SALTA, SLA, SLA, etc.

IDC 31 19:00:49.8, 1.0, 21.33N; 143.70E, h0km, mb3.6/8, mbmp3.6/8, Error ellipse: s-maj=38.1km s-min=21.2km az=90.0

ISC 31 19:00:55.1, 1.1, 21.33N; 0.2, 143.7E, 0.3, h35km, m14, r1=1448, mb3.6/8, Mariana Islands region

Table of astronomical observations for 31d 19h, listing station names, coordinates, and observation times. Includes stations like H1N11, H1N12, H1S13, etc.

WRA Warramunga Arr 42.00 193 P 1.9nm, 1.0s, baz=14, slow=19, SNR=5.6

ASAR Alca Springs 45.70 193 P 0.7nm, 0.6s, baz=17, slow=9.4, SNR=9.5

MKAR Makanchi Array 55.30 313 P 0.2nm, 0.6s, baz=77, slow=7.6, SNR=1.9

KURBB Kurchatov Arr 58.12 317 P 0.4nm, 0.5s, baz=93, slow=7.6, SNR=4.3

ILAR Eielson Array 62.18 27 P 0.3nm, 0.7s, baz=266, slow=8.1, SNR=5.8

BVAR Borovoye Array 63.26 320 P 0.5nm, 0.5s, baz=105, slow=5.4, SNR=3.4

YKA Yellowknife Arr 75.59 28 P 0.4nm, 0.7s, baz=292, slow=6.3, SNR=4.7

JMA 31 19:05:42.4, 0.1, 23.22N; 0.7x12'2E, h51km, 2km, MV3.3/11, TAIWAN REGION

TAP 31 19:05:43.2, 2.3, 17N; 121.56E, h38km, ML3.3, C

ISC 31 19:05:43.0, 0.9, 23.15N; 0.02, 121.64E, 0.02, h31km, 7km, n105, r1=02/171, Taiwan

Table of astronomical observations for 31d 19h, listing station names, coordinates, and observation times. Includes stations like CHKH, EGBN, ECHN, etc.

Table of astronomical observations for 31d 19h, listing station names, coordinates, and observation times. Includes stations like SSSLB, SSSLB, WHYT, etc.

MOS 31 19:14:37.8, 1.0, 21.39N; 144.08E, h10km, mb4.9/28, Error ellipse: s-maj=12.9km s-min=6.0km az=105.8

IDC 31 19:14:38.0, 0.5, 21.40N; 144.18E, h0km, mb4.3/32, mbmp4.3/34, ML4.0, MS3.853, Error ellipse: s-maj=17.2km s-min=12.0km az=86.0

BUI 31 19:14:40.8, 2.1, 21N; 143.98E, h26km, mb5.2/16, mb4.3/38, Ms4.6/12, Ms7.4/3/14

NEIC 31 19:14:40.4, 1.9, 21.40N; 0.09, 143.8E, 0.1, h10km, 1km, mb5.0/180, Error ellipse: s-maj=19.3km s-min=15.2km az=77.0

Table of astronomical observations for 31d 19h, listing station names, coordinates, and observation times. Includes stations like GCMT, JCY, JCY, etc.

Table with columns: SEY, Location, Time, Status, and other details. Includes entries like MAJO Matushiro, H11N1 WAKE ISLAND Hy, etc.

Table with columns: SEY, Location, Time, Status, and other details. Includes entries like SEY Seymchan, WBO Warramunga Arr, etc.

Table with columns: H21K, Location, Time, Status, and other details. Includes entries like H21K Melozitna Rive, KTH Kantishna Hill, etc.

Table with columns: RND, Reindeer, 2.17 37, Pn, 21 02 40.5, -0.5, IAML, 21 03 08.0, etc. Includes stations like N19K, CHUM, CNMP, N18K, TTA, L16K, etc.

Table with columns: G21K, Allakaket, 4.89 352, Pn, 21 03 16.4, -1.1, IAML, 21 04 30.9, etc. Includes stations like H01W1, H01W2, H01W3, STKA, STKA, etc.

Table with columns: H11N1, WAKE ISLAND, 29.82 153, T, T, 22 09 32.3, etc. Includes stations like H11N3, H11S1, H11S3, H11S2, ILAR, etc.

31d 22h

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like ELK, SPUT, BGNE, HWUT, etc.

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Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like LUPA, E07A, W07N, etc.

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Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters. Includes stations like PETK, BRTR, SONM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ARGC Ariguani, Magd, UREC San Jos de Ur, etc.

ISK 31 23:05:39.6, 35:74N, 30:57E, h2km, ML3.5/38
IDC 31 23:05:39.7, 1.0, 36:00N, 30:57E, h0km, mb3.6/7,
mbmp3.6/14, ML3.1/7, MS3.3/3, Error ellipse:
s-maj=19.3km s-min=16.5km az=153.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DEMR Demre-Antalya, KEMT Kemer-Antalya, ANTB Antalya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ALAN Alanya-Antalya, GAZI Gazipasa, FETI Fethiye, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BURCA Burdur, BUCK Camelii-Denizli, CACK Denizli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YER Yerkesis, MULA Mugla, Merkez-CSS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KIZK Meris, USAK Uak-Merkez, USAK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GCAM G7zelcam, ZKR Zakros, KARAR Karaisalı, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IDI Anoyia, IDI Anoyia, IDI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MMAI Mount Meron Ar, MMAI, MMAI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like URZ Urewera, MSVF Nonsava, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, QSPA South Pole Qui, QSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PETK Petropavlovsk, NVAR Mina Array Bea, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KURBB Kurchatov Arra, BVAR Borovoye Array, FINES FINESS Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KBZ Khabarovsk, NBK NORSAR Subarra147, NOA NORSAR Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HFSS Hagfors, AKASE Malin Array Bea, MMAI Mount Meron Ar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BRTR Keskin Array B, EKA, EKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TORO Torodi Arr, PCI Palu, PCI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MRSI Marisa, SMKI Samarinda, TTSI Tera, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BSSI Bau Bau, BSSI, BSSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM Songoing Array, WRA Warramunga Arr, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, ZALV, ZALV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MKAR Makanchi Array, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KDAK Kodjak Island, KURBB Kurchatov Arra, KURBB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ILAR Eielson Array, ILAR, ILAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PALK Palkelele, BVAR Borovoye Array, BVAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RAR Rarotonga, AKTO Aktyubinsk, PPT Papeete, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YKA Yellowknife Arr, BELG Belogoroye, YBH Yreka Blue Hor, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NVAR Mina Array Bea, NVAR, NVAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KBZ Khabarovsk, FINES FINESS Array B, ELK Elko, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PFO Pinyon Flats O, PDAR Pinedale Array, PDAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ANMO Albuquerque, LPIG La Paz, VRAC Vranco, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H032N Juan Fernandez, H033N Juan Fernandez, PLCA Paso Flores, etc.

761nm, 0.3s, baz=217, slow=20, SNR=6.4
URZ Urewera 9.69 199 P Pn 23 19 02.5 -4.6
1.2nm, 0.3s, baz=15, slow=16, SNR=1.6 S

5.3nm, 0.3s, baz=69, slow=15, SNR=13 S
MSVF Nonsava 11.69 346 P Sn 23 19 30.9 +1.9
15mm, 0.7s, baz=162, slow=20, SNR=9.9 P
ASAR Alice Springs 42.40 266 P P 23 24 29.0 +1.9
0.5nm, 0.4s, baz=110, slow=7.9, SNR=7.4 Pcp

0.4nm, 0.5s, baz=96, slow=3.7, SNR=2.7 P
WRA Warramunga Arr 43.27 271 P P 23 24 35.2 +1.1
0.4nm, 0.3s, baz=110, slow=5.8, SNR=5.7 P
0.4nm, 0.3s

1.2nm, 0.6s, baz=0, slow=3.0, SNR=9.3 P
QSPA South Pole Qui 60.87 180 P P 23 26 44.6 +0.7
0.5nm, 0.6s, baz=4.5, slow=3.4, SNR=1.1 Pcp
1.2nm, 0.6s

PETK Petropavlovsk- 84.40 346 P P 23 29 00.9 -0.6
2.1nm, 0.5s, baz=160, slow=5.1, SNR=2.0 P
1.1nm, 0.5s

NVAR Mina Array Bea 87.85 43 P P 23 29 17.2 -1.7
0.9nm, 0.8s, baz=248, slow=5.0, SNR=4.1 P
0.9nm, 0.8s

MKAR Makanchi Array 116.36 311 PKP PKPdf 23 35 10.0 -1.5
0.6nm, 1.0s, baz=117, slow=1.9, SNR=2.7 P
KURBB Kurchatov Arra 119.65 314 PKP PKPdf 23 35 16.1 -1.6
0.5nm, 0.6s, baz=100, slow=2.2, SNR=7.4 P

BVAR Borovoye Array 124.85 316 PKP PKPdf 23 35 26.7 -1.1
1.3nm, 0.6s, baz=90, slow=2.9, SNR=4.4 P
FINES FINESS Array B 143.69 340 PKP PKPab 23 35 58.9 -0.7
3.9nm, 0.5s, baz=40, slow=3.3, SNR=4.7 P

KBZ Khabarovsk 143.75 305 PKP PKPab 23 36 01.7 +1.3
1.6nm, 1.0s, baz=121, slow=5.9, SNR=2.4 P
NBK NORSAR Subarra147, 38 351 PKP PKPdf 23 36 10.1 +1.3
comp=Z, 1.0nm, 0.7s, baz=11, slow=2.9 P

NOA NORSAR Array B 147.38 351 PKP PKPdf 23 36 10.1 +1.3
2.1nm, 0.5s, baz=160, slow=5.1, SNR=2.0 P
HFSS Hagfors 147.85 348 PKPbc PKPbc 23 36 11.1 +1.6
comp=Z, 3.8nm, 0.8s, baz=54, slow=2.5, SNR=9.8 P

AKASE Malin Array Bea 149.82 323 PKPbc PKPbc 23 36 16.9 -1.1
comp=Z, 5.0nm, 0.5s, baz=49, slow=2.7, SNR=14.4 P
MMAI Mount Meron Ar 150.44 286 PKPbc PKPbc 23 36 20.1 0.0
comp=Z, 1.4nm, 0.4s, baz=60, slow=4.0, SNR=9.5 P

BRTR Keskin Array B 151.30 300 PKPbc PKPbc 23 36 21.2 -0.8
comp=Z, 0.4nm, 0.4s, baz=126, slow=5.1, SNR=2.7 P
EKA EKA 153.64 35 S PKPbc PKPbc 23 36 24.6 -1.8
comp=Z, 1.9nm, 0.8s, baz=252, slow=2.0, SNR=3.1 P

EKA EKA 153.64 35 S PKPbc PKPbc 23 36 38.4 -1.5
comp=Z, 0.9nm, 0.6s, baz=347, slow=3.1, SNR=4.0 P
TORO Torodi Arr 164.61 182 PKPbc PKPbc 23 37 25.1 -1.1
comp=Z, 0.4nm, 0.5s, baz=177, slow=2.3, SNR=5.2 P

DJA 31 23:20:30.1, 1.0, 0.0, N4, 12.0E, h12km, 7km, M4.0/6,
mb4.6/1, MLV3.7/6, Minahassa Peninsula, Sulawesi
Code Station Name Az Az' Phase ID Time Res ISC h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PCI Palu, MRSI Marisa, SMKI Samarinda, etc.

IDC 31 23:24:24.1, 1.4, 23:23N, 143:76E, h0km, mb3.6/7,
mbmp3.6/7, Error ellipse: s-maj=44.5km s-min=27.7km
az=80.0

ISC 31 23:24:29.0, 1.4, 23:22N, 143:8E, 0.3, h34km, n7,
o=897/7, mb3.6/7, Volcano Islands region
Code Station Name Az Az' Phase ID Time Res ISC h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM Songoing Array, WRA Warramunga Arr, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BVAR Borovoye Array, FINES FINESS Array B, ELK Elko, etc.

2.8nm, 1.0s, baz=355, slow=17, SNR=2.7 P
ZALV Zalesovo Beam 55.06 322 P P 23 51 10.4 -0.5
0.8nm, 0.7s, baz=106, slow=1.1, SNR=3.8 LR

ZALV Zalesovo Beam 55.06 322 P P 00 15 30.2
MKAR Makanchi Array 55.62 313 P P 23 51 15.7 +0.5
0.6nm, 0.7s, baz=94, slow=7.3, SNR=6.4 LR

MKAR Makanchi Array 55.62 313 P LR 00 16 02.9
KDAK Kodjak Island 57.90 34 LR LR 00 13 02.2
comp=Z, 6.1nm, 21.9s, baz=58, slow=33 P

KURBB Kurchatov Arra 58.41 317 P P 23 51 34.7 -0.1
2.0nm, 0.6s, baz=94, slow=7.6, SNR=35 LR
0.8nm, 0.7s

KURBB Kurchatov Arra 58.41 317 P LR 00 18 14.7
ILAR Eielson Array 61.86 27 P P 23 51 58.2 -0.1
1.4nm, 0.9s, baz=261, slow=6.6, SNR=12 P

PALK Palkelele 62.77 267 LR LR 00 18 04.4
BVAR Borovoye Array 63.54 320 P P 23 52 09.5 -0.1
1.7nm, 0.5s, baz=90, slow=7.2, SNR=17 P

RAR Rarotonga 69.15 124 LR LR 00 16 11.6
AKTO Aktyubinsk 71.45 318 LR LR 00 25 50.0
0.5nm, 0.6s, baz=100, slow=2.2, SNR=7.4 P

PPT Papeete 75.52 316 LR LR 00 23 09.3
YKA Yellowknife Arr 76.27 28 P P 23 53 28.0 +0.4
0.6nm, 0.7s, baz=288, slow=5.8, SNR=9.9 P

BELG Belogoroye 77.24 321 LR LR 00 29 43.0
comp=Z, 3.8nm, 18.2s, baz=183, slow=33 P
YBH Yreka Blue Hor 78.27 50 LR LR 00 20 48.9
0.6nm, 0.7s, baz=288, slow=5.8, SNR=9.9 P

NVAR Mina Array Bea 82.56 52 LR LR 00 22 27.1
0.8nm, 0.6s, baz=289, slow=5.5, SNR=7.6 P
NVAR Mina Array Bea 82.56 52 LR LR 00 22 27.1
comp=Z, 2.8nm, 20.6s, baz=298, slow=30 P

KBZ Khabarovsk 83.28 314 P P 23 54 05.2 -0.8
4.5nm, 0.9s, baz=59, slow=5.3, SNR=11 P
FINES FINESS Array B 83.87 335 P P 23 54 08.1 -0.6
1.4nm, 0.8s, baz=60, slow=3.4, SNR=8.6 P

ELK Elko 83.89 49 LR LR 00 23 03.6
comp=Z, 2.4nm, 21.4s, baz=328, slow=30 P
PFO Pinyon Flats O 85.75 56 LR LR 00 32 37.7
comp=Z, 4.0nm, 18.9s, baz=281, slow=36 P

PDAR Pinedale Array 86.92 45 P P 23 54 25.3 +0.6
0.3nm, 0.7s, baz=289, slow=5.0, SNR=3.5 P
PDAR Pinedale Array 86.92 45 P LR 00 26 59.5
0.3nm, 0.7s

ANMO Albuquerque 92.66 51 LR LR 00 34 04.8
comp=Z, 3.7nm, 19.5s, baz=112, slow=34 LR
LPIG La Paz 94.57 62 LR LR 00 33 08.7
comp=Z, 3.2nm, 19.4s, baz=294, slow=33 LR

VRAC Vranco 95.64 329 LR LR 00 42 53.6
comp=Z, 4.2nm, 18.2s, baz=340, slow=30 LR
H032N Juan Fernandez 140.11 117 T T 02 36 54.3
baz=267, slow=7.4, SNR=11 P

H033N Juan Fernandez 140.11 117 T T 02 36 55.2
baz=267, slow=7.4, SNR=11 P
PLCA Paso Flores 144.82 131 PKP PKPab 00 01 15.3 -0.1
3.2nm, 0.6s, baz=233, slow=4.7, SNR=9.5 P

LPZA La Paz 148.95 86 PKPbc PKIKP 00 01 29.6 -0.5
1.1nm, 0.6s, baz=219, slow=1.9, SNR=3.0 P

IDC 31 23:44:16.8, 1.4, 21:35N, 144:28E, h0km, mb3.5/6,
mbmp3.5/6, Error ellipse: s-maj=54.3km s-min=23.9km
az=80.0

ISC 31 23:44:19.0, 1.3, 21:30N, 144:3E, 0.3, h35km, n12,
o=61/6, mb3.6/6, Mariana Islands region
Code Station Name Az Az' Phase ID Time Res ISC h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H111N WAKE ISLAND Hy, H112N WAKE ISLAND Hy, etc.

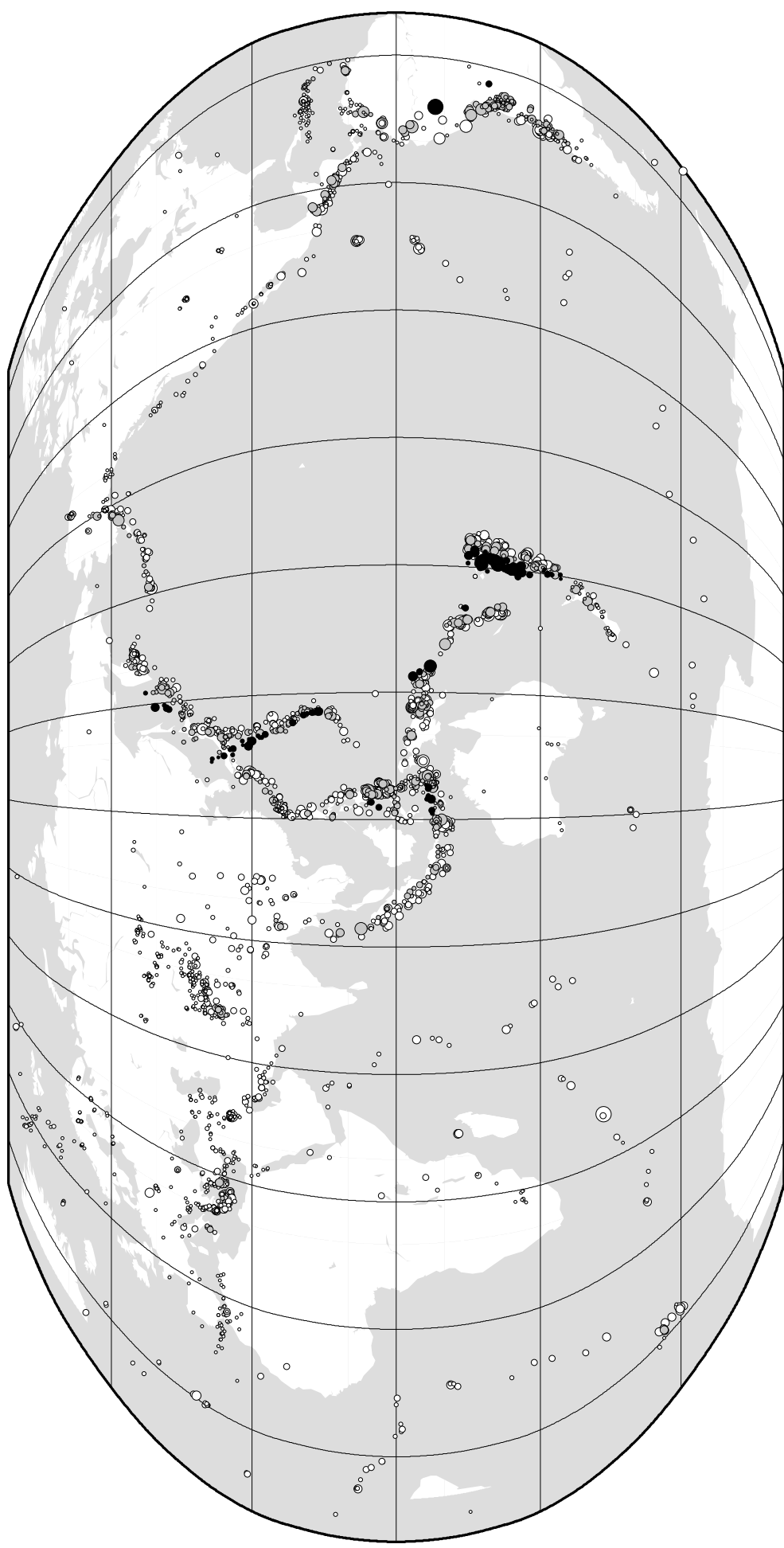
TPUB	Ta-pu	2.78 252	P	Pn	23 46 59.9 +1.5
MKAR	Makanchi Array	39.84 315	P	P	23 53 47.3 0.0
comp=E,0.2nm,0.5s,baz=107,slow=8.8,SNR=4.1					
comp=E,0.2nm,0.5s					
H11N1	WAKE ISLAND Hy	40.37 88	T	T	00 36 33.4
baz=283					
H11N2	WAKE ISLAND Hy	40.37 88	T	T	00 36 32.0
baz=283					
H11N3	WAKE ISLAND Hy	40.38 88	T	T	00 36 36.1
baz=283					
H11S3	WAKE ISLAND Hy	40.50 89	T	T	00 36 46.8
baz=287					
H11S1	WAKE ISLAND Hy	40.51 89	T	T	00 36 50.1
baz=287					
H11S2	WAKE ISLAND Hy	40.52 89	T	T	00 36 52.5
baz=287					
ZALV	Zalesovo Beam	41.42 326	P	P	23 53 59.2 -1.1
comp=E,0.8nm,0.5s,baz=122,slow=7.6,SNR=3.8					
comp=E,0.8nm,0.5s					
WRA	Warramunga Arr	45.10 166	P	P	23 54 29.1 -1.2
comp=E,1.6nm,1.0s,baz=344,slow=8.3,SNR=4.8					
comp=E,1.6nm,1.0s					
ASAR	Alice Springs	48.61 167	P	P	23 54 57.3 -0.4
comp=E,0.4nm,0.5s,baz=350,slow=7.4,SNR=6.0					
comp=E,0.4nm,0.5s					
BVAR	Borovoye Array	49.03 320	P	P	23 55 00.2 -0.5
comp=E,0.7nm,0.5s,baz=107,slow=7.1,SNR=3.1					
comp=E,0.7nm,0.5s					
FINES	FINES Array B	72.52 330	P	P	23 57 41.4 +1.0
comp=E,3.5nm,1.0s,baz=59,slow=5.6,SNR=2.0					
comp=E,3.5nm,1.0s					
BRTR	Keskin Array B	74.88 307	P	P	23 57 55.6 +0.6
comp=E,0.3nm,0.3s,baz=78,slow=9.0,SNR=2.4					
comp=E,0.3nm,0.3s					
YKA	Yellowknife Ar	82.15 23	P	P	23 58 34.6 +0.2
comp=E,0.2nm,0.6s,baz=303,slow=5.9,SNR=5.9					
comp=E,0.2nm,0.6s					

HFS	Hagfors	23.25 351	P	P	00 01 36.9 +1.8
2.1nm,0.7s,baz=156,slow=11,SNR=4.3					
2.1nm,0.7s					
EKA	Eskdalemuir Ar	24.20 326	P	P	00 01 46.5 +2.4
3.1nm,0.9s,baz=127,slow=7.7,SNR=3.5					
3.1nm,0.9s					
FINES	FINES Array B	24.37 6	P	P	00 01 45.2 -0.4
1.2nm,0.8s,baz=185,slow=9.8,SNR=5.1					
1.2nm,0.8s					
NOA	NORSAR Array B	24.47 349	P	P	00 01 47.9 +1.3
0.4nm,0.6s,baz=161,slow=8.8,SNR=2.1					
0.4nm,0.6s					
TORD	Torodi Ar. Bea	29.46 220	P	P	00 02 30.5 -1.3
0.5nm,1.0s,baz=35,slow=9.8,SNR=2.0					
0.5nm,1.0s					
KURBB	Kurchatov Arra	42.63 53	P	P	00 04 22.8 -1.1
0.5nm,0.5s,baz=282,slow=6.5,SNR=6.2					
0.5nm,0.5s					
MKAR	Makanchi Array	45.64 58	P	P	00 04 47.1 -1.1
0.2nm,0.5s,baz=272,slow=7.8,SNR=8.7					
0.2nm,0.5s					
ZALV	Zalesovo Beam	46.16 48	P	P	00 04 52.4 +0.3
0.2nm,0.3s,baz=279,slow=8.7,SNR=2.0					
0.2nm,0.3s					

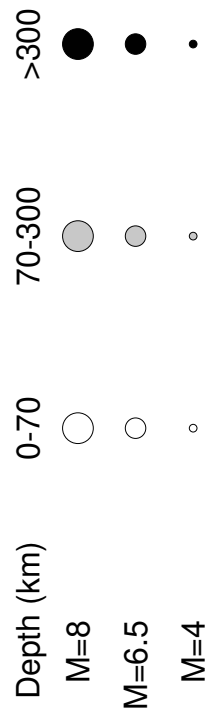
IDC 31 23:56:25.5-1.3,37:12N-20:97E,h0km,mb3.5/8,
 mdtmp3.6/10,ML3.1/2,Error ellipse: s-maj=28.2km
 s-min=22.5km az=162.0
 ATH 31 23:56:28.9,37:25N-20:60E,h9km,1km,ML3.5/12,
 Manual Solution by A.Moschou This location: 2020/10/07
 08:08:37 ML Amplitudes are expressed in micrometers, All
 distances are expressed in degrees Latitude uncertainty: 1
 km; Longitude uncertainty: 1 km
 THE 31 23:56:28.3,37:32N-20:68E,h3km,ML3.4/5,Error ellipse:
 s-maj=1.3km s-min=0.4km az=46.0
 BEO 31 23:56:30.5-0.8,37:28N-20:62E,h31km,3km,ML3.2/6
 ISC 31 23:56:29.3-0.7,37:33N-20:04-20:69E,0:04,h21km,3km,

Code	Station Name	Δ° AZ'	Phase ID	ISC	Time	Res
					h m s	ISC
LTHK	Lithakia	0.39 18	P	Pb	23 56 36.7	-0.8
LTHK			S	Sb	23 56 42.4	-0.6
7μm,0.1s						
LTHK	Lithakia	0.39 18	P	Pb	23 56 36.7	-0.8
LTHK			S	Sb	23 56 43.1	0.0
KYPS	Kipseli, Zakin	0.50 13	P	Pb	23 56 38.9	-0.4
KYPS			S	Sb	23 56 47.6	-1.6
ORTH	Orthonies,Zaky	0.52 1	P	Pb	23 56 38.9	-0.9
ORTH			S	Sb	23 56 46.7	-0.2
CLEM	Kyllini,Iliia,G	0.66 32	P	Pb	23 56 41.3	-0.9
CLEM			S	Sb	23 56 52.1	-1.1
RTZL	Ratzakli, Kefa	0.74 5	P	Pb	23 56 42.6	-1.0
RTZL			S	Sb	23 56 53.7	-1.6
2μm,0.5s						
PSDA	Pessada-Kefalo	0.78 354	P	Pb	23 56 43.4	-0.8
PSDA			S	Sb	23 56 54.9	-1.3
3μm,0.4s						
PSDA	Pessada-Kefalo	0.78 354	P	Pb	23 56 43.6	-0.6
PSDA			S	Sb	23 56 55.8	-0.4
AMT	Artemida-Makis	0.84 76	P	Pb	23 56 44.9	-0.3
AMT			S	Sb	23 56 58.0	+0.3
VLS	Valsamata	0.85 355	P	Pb	23 56 44.6	-0.7
VLS			S	Sb	23 56 56.9	-0.9
2μm,0.7s						
VLS	Valsamata	0.85 355	P	Pb	23 56 44.5	-0.7
VLS			S	Sb	23 56 57.0	-0.9
SMHA	Samh	0.92 358	P	Pb	23 56 45.0	-1.4
SMHA			S	Sb	23 56 59.0	-0.5
DMLN	Damoulianata-K	0.94 345	P	Pb	23 56 46.5	-0.4
DMLN			S	Sb	23 57 00.1	0.0
4μm,0.6s						
DMLN	Damoulianata-K	0.94 345	P	Pb	23 56 46.1	-0.7
DMLN			S	Sb	23 57 00.4	+0.3
RLS	Riolos of Patr	0.95 40	P	Pb	23 56 46.4	-0.7
RLS	Riolos of Patr	0.95 40	P	Pb	23 56 46.0	-1.1
RLS			S	Sb	23 56 59.7	-0.7
ITM	Ithomi	1.00 98	P	Pb	23 56 47.1	-0.9
ITM	Ithomi	1.00 98	P	Pb	23 56 47.1	-0.9
ITM			S	Sb	23 57 01.3	+0.6
DRO	Drossia	1.02 52	P	Pb	23 56 47.6	-0.7
DRO	Drossia	1.02 52	P	Pb	23 56 47.7	-0.6
DRO			S	Sb	23 57 02.6	+0.4
FSK	Fiskardo	1.13 355	P	Pn	23 56 49.5	-0.4
FSK	Fiskardo	1.13 355	P	Pn	23 56 49.1	-0.8
FSK			S	Sb	23 57 05.8	+1.1
EVGI	Lefkada island	1.28 359	P	Pb	23 56 52.2	-0.6
EVGI	Lefkada island	1.28 359	P	Pb	23 56 52.0	-0.8
EVGI			S	Sb	23 57 09.8	-0.9
DRAG	Dragano-Lefkad	1.35 356	P	Pb	23 56 53.1	-0.8
DRAG			S	Sb	23 57 11.9	+1.2
KLK	Kalavryta, Ach	1.36 58	P	Pb	23 56 53.6	-0.5
KLK	Kalavryta, Ach	1.36 58	P	Pb	23 56 53.1	-0.1
KLK			S	Sb	23 57 13.4	+2.3
NYDR	Nydri-Lefkada	1.38 0	P	Pb	23 56 53.8	+0.6
NYDR	Nydri-Lefkada	1.38 0	P	Pb	23 56 53.4	+0.1
NYDR			S	Sb	23 57 13.0	+1.5
GUR	Goura	1.45 65	P	Pb	23 56 55.0	-0.6
GUR	Goura	1.45 65	P	Pb	23 56 54.8	+0.4
LKD2	Lefkada island	1.45 359	P	Pb	23 56 57.7	+0.1
LKD2			S	Sb	23 57 15.0	+1.3
EFP	Efpalio	1.46 41	P	Pb	23 56 55.0	-0.7
EFP	Efpalio	1.46 41	P	Pb	23 56 54.9	-0.7
TSLK	Tsoukalades, L	1.49 359	P	Pb	23 56 55.5	-0.7
KALE	Kalitheia	1.56 47	P	Pb	23 56 57.7	+0.1
ANX	Ano Chora	1.59 37	P	Pb	23 56 57.4	+0.7
ANX	Ano Chora	1.59 37	P	Pb	23 56 57.3	-0.7
ANX			S	Sb	23 57 18.8	+1.0
EVR	Evrytania	1.81 29	P	Pb	23 57 01.8	0.0
VLI	Veliai	1.90 108	P	Pb	23 57 02.7	-0.7
MAKR	Makrakomi, Fth	2.03 34	P	Pb	23 57 05.5	+0.1
TETR	Tetrakomi, Epi	2.06 13	P	Pb	23 57 05.4	-0.6
AXAR	Agios Charalam	2.12 47	P	Pb	23 57 06.2	-0.8
VIL2	Platees	2.23 66	P	Pb	23 57 06.4	+1.4
LKR	Lokris	2.25 54	P	Pb	23 57 07.5	-1.7
THL	Klokotos Trika	2.46 25	P	Pb	23 57 10.9	-1.9
FNA	Florina	3.49 9	ePn	Pn	23 57 24.1	+1.7
FNA			eSn	Sn	23 58 02.7	-0.3
OHR	Ohrid	3.77 1	iPn	Pb	23 57 38.9	+3.6
OHR	Ohrid	3.77 1	ePn	Pn	23 57 27.6	+1.3
VAY	Valandovo	4.24 20	iPn	Pn	23 57 34.7	+2.0
VAY	Valandovo	4.24 20	ePn	Pn	23 57 34.6	+2.0
SRS	Serrai	4.40 30	ePn	Pn	23 57 36.1	+1.2
SRS			eSn	Sn	23 58 25.3	-0.2
PDG	Podgorica	5.21 348	ePn	Pn	23 57 46.7	+0.8
PDG			eSn	Sn	23 58 44.8	-0.5
BAR5	Barje	5.54 9	ePn	Pn	23 57 50.9	+0.3
BAR5			eSn	Sn	23 58 52.9	-0.8
VTS	Vitosha	5.63 20	ePn	Pn	23 57 52.8	+0.9
VTS			eSn	Sn	23 58 53.8	-2.2
SELS	Selova	5.89 3	ePn	Pn	23 57 55.2	-0.1
STON	Ston	5.99 338	ePn	Pn	23 57 56.3	-0.3
STON			eSn	Sn	23 59 01.8	-2.7
ZAPS	Zavoj	6.12 13	ePn	Pn	23 57 59.0	+0.5
BOVS	Bovan	6.34 7	ePn	Pn	23 58 01.3	-0.2
GRUS	Gruza	6.55 0	ePn	Pn	23 58 04.1	-0.3
DIV5	Divibare	6.78 356	ePn	Pn	23 58 08.5	+0.9
HAPS	Han Pijesak,BI	6.87 349	ePn	Pn	23 58 09.3	+0.4
KEST	Kesra	9.27 263	Pn	Pn	23 58 44.6	+2.9
KEST			Sn	Sn	00 00 23.1	-2.3
baz=90,slow=20,SNR=1.6						
2.5nm,0.9s						
MMAI	Mount Meron Ar	12.79 105	Pn	Pn	23 59 23.8	-6.2
0.3nm,0.3s,baz=289,slow=14,SNR=1.6						
2.1nm,0.8s						
AKASG	Malin Array Be	14.69 22	Pn	P	23 59 59.5	-2.3
0.3nm,0.3s,baz=209,slow=9.2,SNR=4.1						

ISC Computed Locations for January 2019



Robinson Projection, centred on 0°N,130°E



3595 Events